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HYDROGRAPHIC DATA FROM THE PILOT STUDY OF THE COASTAL TRANSITION ZONE (CTZ) PROGRAM 15 - 28 JUNE 1987

by

Paul F. Jessen
Steven R. Ramp
Carol A. Clark

April 1989

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STRACT (Continue on reverse if necessary and identify by block number)

This is a data report which presents hydrographic (CTD) data from a cruise off Point a, CA during 15-28 June 1987. The study area was between 37°40'N to 39°20'N and 123°30'W 25 30'W. The sampling plan criss-crossed a cold filament rooted near Point Arena, as rved using satellite AVHRR Sea Surface Temperature imagery. A total of 122 CTD casts to m and 30 XBT drops to 750 m were made. The data are presented as individual vertical iles, vertical sections, and property distributions on horizontal surfaces. The data were ected as part of the ONR Coastal Transition Zone program to study cold filaments, squirts, , and mesoscale eddies in the region.

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Hydrographic Data from the Coastal Transition Zone (CTZ) Program

15 - 28 June, 1987

by

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TABLE OF CONTENTS

	Page
List of Tables	ii
List of Figures	iii
Introduction	1
Data Acquisition and Calibration	9
Data Processing	16
Data Presentation	18
Acknowledgements	18
References	242
Initial Distribution List	243

LIST OF TABLES

Table	Caption	Page
1.	List of stations occupied during the Coastal Transition Zone (CTZ2) filament study showing date, type, time, location, and weather.	10
2.	Differences between salinities calculated using the corrected CTD pressure, temperature, and conductivity readings and those of the water samples at the same depth measured by the Guildline Autosal.	17

LIST OF FIGURES

Figure	Caption	Page
1.	CTD station numbers and locations for part I of the Coastal Transition Zone (CTZ2) filament study during June 15-20, 1987 aboard the R/V POINT SUR.	2
2.	XBT station numbers and locations for all parts of the Coastal Transition Zone (CTZ2) filament study during June 15-28, 1987 aboard the R/V POINT SUR.	4
3.	CTD station numbers and locations for part II of the Coastal Transition Zone (CTZ2) filament study during June 20-23, 1987 aboard the R/V POINT SUR.	6
4.	CTD station numbers and locations for part III of the Coastal Transition Zone (CTZ2) filament study during June 23-28, 1987 aboard the R/V POINT SUR.	8
5.	Hourly averages of wind speed and direction measured at 10 m height from the R/V POINT SUR during part I of cruise CTZ2.	19
6.	Hourly averages of wind speed and direction measured at 10 m height from the R/V POINT SUR during part II of cruise CTZ2.	20
7.	Hourly averages of wind speed and direction measured at 10 m height from the R/V POINT SUR during part III of cruise CTZ2.	21
8.	Map of surface temperature during part I of cruise CTZ2, June 15-20, 1987.	22
9.	Map of surface salinity during part I of cruise CTZ2, June 15-20, 1987.	23
10.	Map of the dynamic height (dyn. m) at the sea surface relative to 500 db during part I of cruise CTZ2, June 15-20, 1987.	24
11.	Map of surface temperature during part II of cruise CTZ2, June 20-23, 1987.	25
12.	Map of surface salinity during part II of cruise CTZ2, June 20-23, 1987.	26

13. Map of the dynamic height (dyn. m) at the sea surface relative to 500 db during part II of cruise CTZ2, June 20-23, 1987. 27

14. Map of surface temperature during part III of cruise CTZ2, June 23-28, 1987. 28

15. Map of surface salinity during part III of cruise CTZ2, June 23-28, 1987. 29

16. Map of the dynamic height (dyn. m) at the sea surface relative to 500 db during part III of cruise CTZ2, June 23-28, 1987. 30

17. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 2-7 of part I. 31

18. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 7-11 of part I. 34

19. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 11-14 of part I. 37

20. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 16-21 of part I. 40

21. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 22-25 and 27-31 of part I. 43

22. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 33-43 of part I. 46

23. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 43-47 of part I. 49

24. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 47-54 of part I. 52

25. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 55-61 of part II. 55

26. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 63, 641, and 65-68 of part II. 58

27. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 70-75 of part II. 61

28. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 75-78 of part II. 64

29. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 80-82, 825, and 83-87 of part III. 67

30. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 87-90, 905, and 91-93 of part III. 70

31. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 93, 941, and 95-98 of part III. 73

32. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 98-101 of part III. 76

33. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 101-106 of part III. 79

34. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 107-111 of part III. 82

35. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 112-115 of part III. 85

36. Vertical section of temperature for XBT stations 483-491 of cruise CTZ2. 88

37. Vertical section of temperature for XBT stations 494-503 of cruise CTZ2. 89

38. Listing of temperature, salinity, density anomaly, specific volume anomaly, and dynamic height at selected pressures and profiles of temperature (T), salinity (PSU), and density anomaly (γ) for all CTD stations of cruise CTZ2. 90

39. Listing of temperature at selected pressures and profiles of temperature (T) for all XBT stations of cruise CTZ2. 211

INTRODUCTION

The data included in this report were collected as part of the Office of Naval Research (ONR) Coastal Transition Zone project during June 15-28, 1987. The study area encompassed the region from just north of Pt. Arena, California south to about 37° 40.00′ N. from the coast to approximately 120 nm offshore. The purpose of this cruise was to create a quasi-synoptic 3-dimensional map of the hydrographic structure and velocity fields in a cold filament off the coast of California. Prior to the cruise satellite imagery of the sea-surface temperature along the northern coast of California was studied to find a suitable cold filament for mapping during the cruise. A strong feature was clearly seen in the NOAA-9 AVHRR image for June 11, 1987 whose source waters appeared to be located just north of Pt. Arena. This feature was chosen for study. The feature was tracked during the cruise using satellite AVHRR sea-surface temperature imagery and surface gradients of temperature and salinity from continuous underway sensors (discussed in the next section). The imagery was sent to the ship in near real time via weather fax by cooperating investigators at the Scripps Institution of Oceanography. A total of 120 CTD casts to a maximum of 500 m depth and 30 XBT drops to a maximum depth 750 m were made.

The cruise was divided into three parts: Part I (CTD stations 1 - 54 and XBT drop 426) ended when the first filament could no longer be followed non-ambiguously; part II (CTD stations 55 - 78 and XBT drops 479 - 493) was ended by inclement weather; and part III (CTD stations 79 - 115) ended when the available cruise time expired.

The R/V POINT SUR departed from Moss Landing, California on the morning of June 15, 1987 and arrived on station 1 at 0900 UT of June 16 (Fig. 1) to begin hydrographic mapping of the filament. Following the completion of CTD station

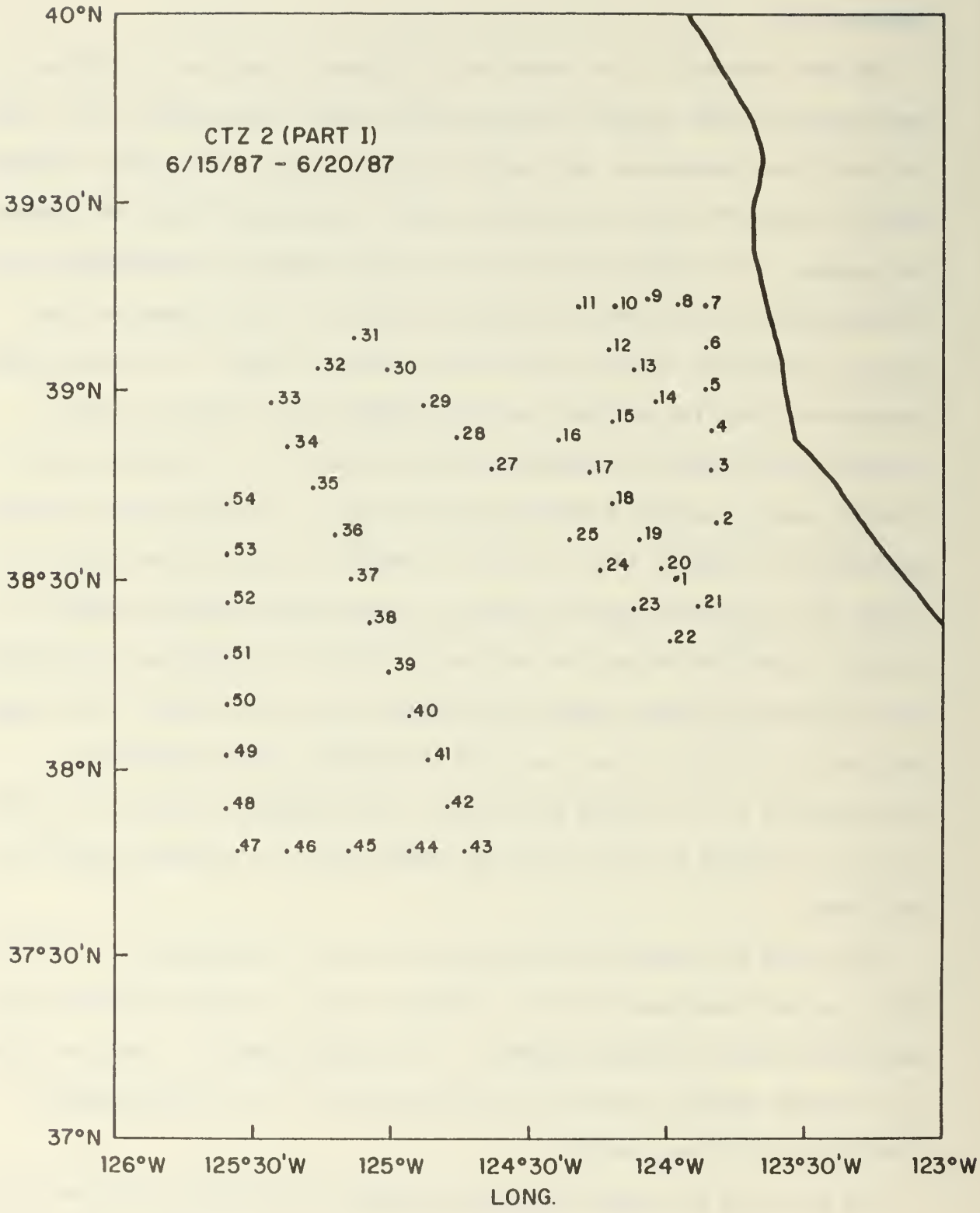

Figure 1. CTD station numbers and locations for part I of the Coastal Transition Zone (CTZ2) filament study during June 15-20, 1987 aboard the R/V POINT SUR.

1 the ship proceeded inshore slightly and a section of CTD casts was made heading to the north (stations 2-7, Fig. 1), west (stations 8-11, Fig. 1), and then back south in a zigzag fashion (stations 12-21, Fig. 1) through the "root" of the filament.

Following the completion of CTD station 21 on June 17 at 1515 UT the ship steamed to 38° 34.27′ N, 124° 03.53′ W. (near station 19, Fig. 1) and deployed a group of 9 satellite tracked drifters within the filament. Eight of these drifters were expendable and one, to be recovered, was instrumented with an MER optical sensor, a Codispoti Nutrient Sampler, and a thermistor chain with an Aanderaa recorder. The drifter deployment required about 8 hours whereupon hydrographic operations resumed with a CTD cast at station 22 (Fig 1) at 0130 UT on June 18.

A section of CTD casts was then started across the filament at stations 23-25 (Fig. 1). Due to increasing seas an XBT drop (station 426, Fig. 2) was made following station 25 rather than a CTD cast. Weather then improved slightly and CTD casts were resumed at stations 27-31 (Fig. 1) completing station 31 at 1855 UT on June 18. The ship then proceeded slightly further offshore completing a CTD cast at station 32 (Fig. 1) before beginning another section of CTDs south through the filament (stations 33-43, Fig. 1). The last cast of this section (station 43) was completed at 1225 UT on June 19. The ship next turned directly west and hydrographic work continued with CTD casts at stations 44-47 (Fig. 1) completing station 47 at about 1915 UT on June 19.

Another cut was made north through the filament with CTD casts made at stations 48-54 (Fig. 1) completing the last of these at 0700 UT on June 20. During this final cut through the filament gradients of surface salinity and temperature from the continuous underway sensors were becoming very weak

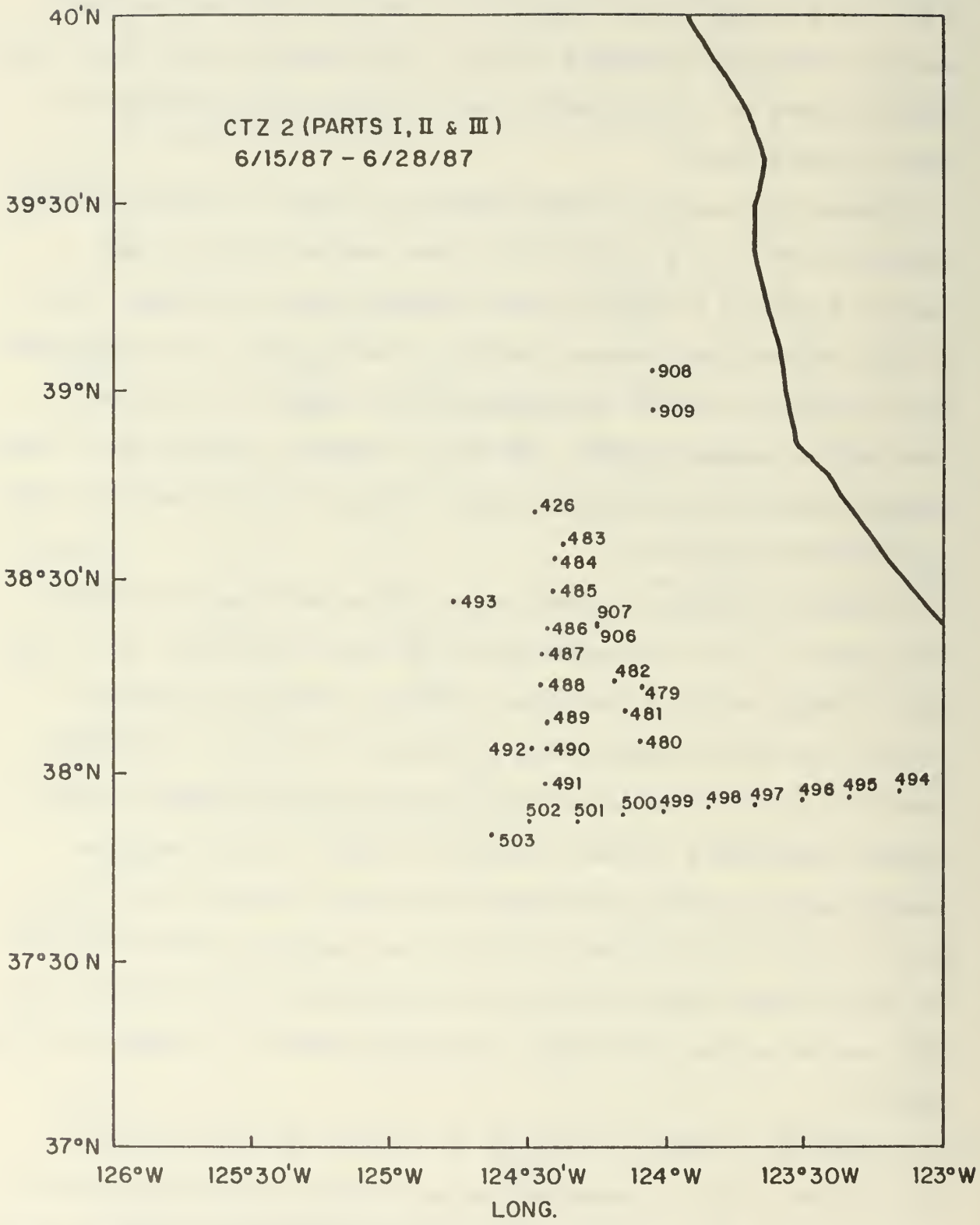

Figure 2. XBT station numbers and locations for all parts of the Coastal Transition Zone (CTZ2) filament study during June 15-28, 1987 aboard the R/V POINT SUR.

leading us to conclude that it would be difficult to track the filament much farther. It was decided that the ship would steam to the source waters near Point Arena and search for a new filament to track.

This search began with a CTD cast at station 55 (Fig. 3) at 1750 UT on June 20. Following this station the ship steamed north along the coast completing CTD casts at stations 56-61 (Fig. 3) by 0415 UT on June 21. The ship then proceeded offshore about 12 nautical miles completing stations 62 and 63 (Fig. 3) before turning back south at 0640 on June 21. The ships course again paralleled the coast and CTD casts were made at stations 641 and 65-68 (Fig. 3) by 1555 on June 21.

By this time a new filament had been found and was tracked as before using the underway sensors and the real time AVHRR SST imagery to follow the filament. The ship headed further offshore completing CTD casts at stations 69 and 70 (Fig. 3) before turning north-northwest back across the filament at 1845 UT on June 21. Stations 70-73, 731, 74, and 75 of this section were finished by 0225 UT on June 22. The ship then turned south and completed CTD casts at stations 76-78 (Fig. 3). Following the CTD cast at station 78 (0710 UT of June 22) the weather became too bad to safely launch and recover the CTD.

As the ship steamed south, the filament mapping continued with XBT drops at stations 479 and 480 (Fig. 2). The ship turned north to cross the filament again at 0850 UT on June 20. Adverse weather conditions continued to prevent CTD operations, so mapping continued intermittently with XBT drops at stations 481-483 (Fig. 2). A more complete section of XBT drops were made after the ship turned south (downwind) following the XBT drop at station 483 at 1550 UT on June 22. XBT drops were made at stations 484-491 completing station 491 at 0130 UT on June 23.

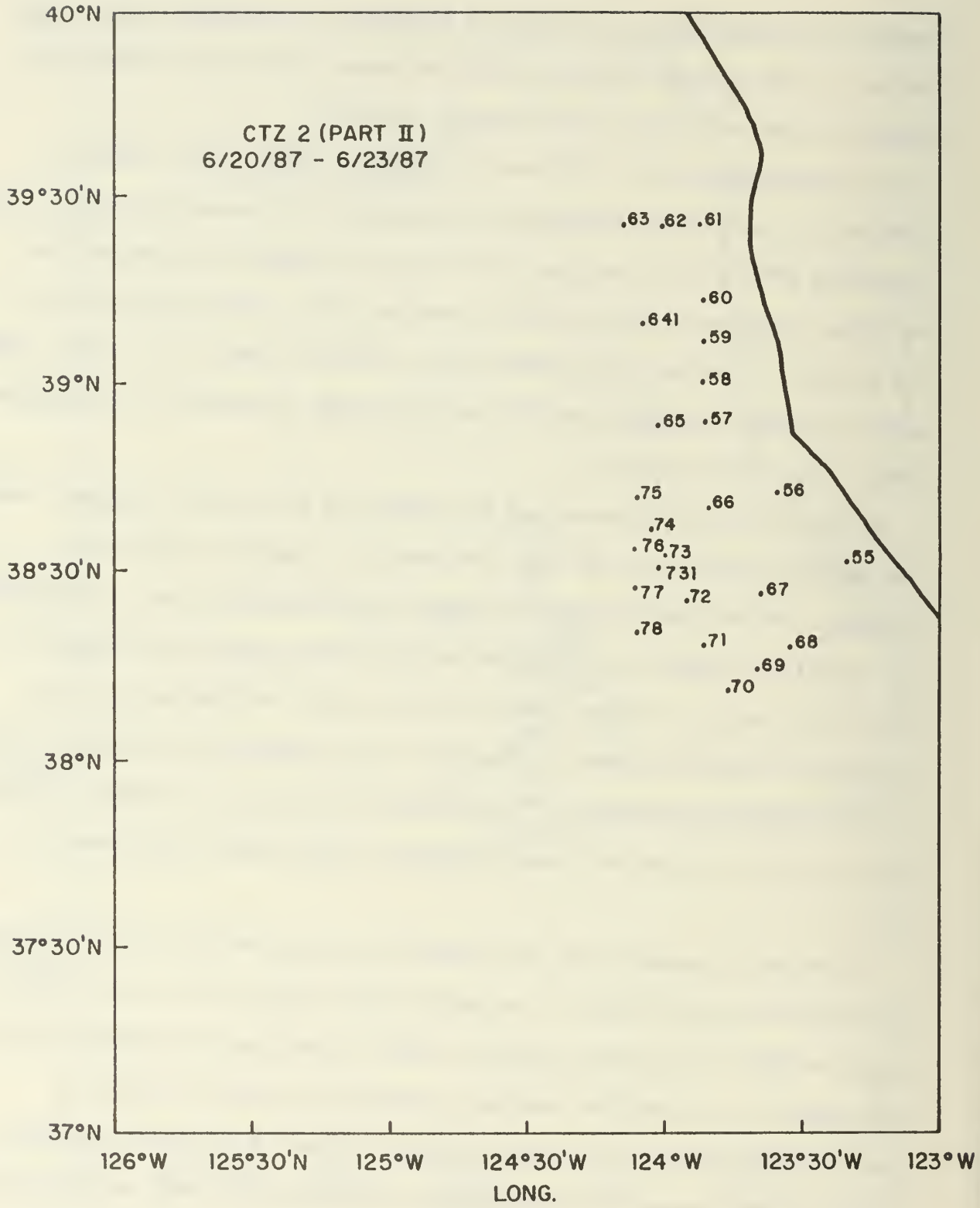

Figure 3. CTD station numbers and locations for part II of the Coastal Transition Zone (CTZ2) filament study during June 20-23, 1987 aboard the R/V POINT SUR.

The ship began to steam north again in an attempt to continue mapping the filament, but after two more XBT drops (stations 492 & 493, Fig. 2) weather conditions deteriorated to the point that operations were halted and the ship steamed for shelter in Drake's Bay. The ship arrived in Drake's Bay at about 0200 UT on June 24 and remained until 0700 UT on June 25 when weather forecasts predicted workable conditions offshore.

After leaving Drake's Bay the first priority was to recover the instrumented drifter deployed at the beginning of the cruise. The latest satellite position of the drifter was relayed to the ship from the Scripps Institution of Oceanography and an estimated position of the drifter was made using the satellite position and dead reckoning. During the steam to the estimated drifter position a section of XBT's was made (stations 494-503, Fig. 2). The drifter was recovered without incident on June 25 at 1935 UT at 37° 43.19' N, 124° 36.31' W.

With no clear imagery to guide the vessel, some of the transects made prior to the bad weather were repeated. A CTD cast was made near the drifter recovery position (station 79, Fig. 4) after which the ship steamed north completing CTD casts at stations 80-82, 825, 826, and 83-87 (Fig. 4) by 1215 UT on June 26. The CTD stations of this section were approximately co-located with XBT drops 484-491 made during part II (see Fig. 2). A southerly section was completed next with CTD casts made at stations 88-90, 905, 91-93, and 935 (Fig. 4). This transect was co-located with XBT drops 480-483 of part II (see Fig. 2). Following the completion of station 935 at 2310 UT on June 26 the ship turned north to begin the next CTD section. This section included stations 941 and 95-98 (Fig. 4) and was completed by 0550 UT on June 27. These transects were co-located with stations 75-78 described earlier.

Three more expendable surface drifters were to be deployed before the end

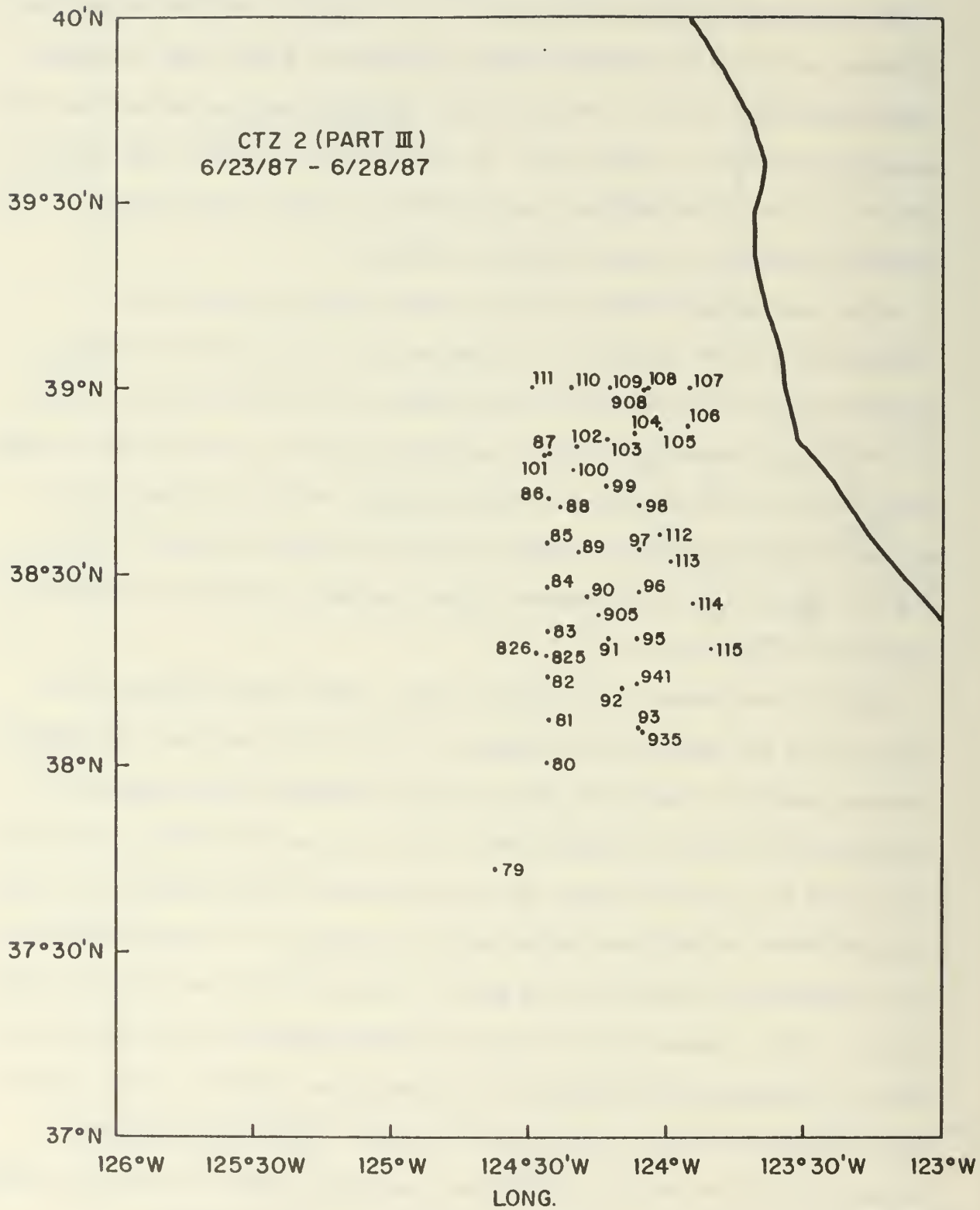

Figure 4. CTD station numbers and locations for part III of the Coastal Transition Zone (CTZ2) filament study during June 23-28, 1987 aboard the R/V POINT SUR.

of the cruise and CTD casts were made at stations 99-108, 908, 110, and 111 (Fig. 4) to help decide where to deploy the drifters. Station 111 was completed at 2040 UT on June 27 after which the drifters were deployed. XBT drops were made at the same time as the last two drifter deployments (stations 908 and 909, Fig. 2).

As the ship steamed back towards Moss Landing a final section of CTD casts was made (stations 112-115, Fig. 4) between 0200 UT and 0545 UT on June 28. These stations were in approximately the same position as stations 71-74 of part II (see Fig. 3). The ship docked back at Moss Landing at 2200 UT on June 28. A listing of all CTD and XBT stations occupied during the cruise is shown in Table 1.

The personnel on this cruise were; Dr. Steven R. Ramp, Naval Postgraduate School (NPS), Dr. Ken Brink, Woods Hole Oceanographic Institution (WHOI), Dr. Curt Davis, Jet Propulsion Laboratory (JPL), Dr. Dave Kadko, Oregon State University (OSU), Mr. Paul Jessen (NPS), Mr. Jim Stockel (NPS), LCDR Bill Fasciano (NPS), Mr. Dick Limeburner (WHOI), Mr. Dick Kovar (OSU), and Ms. Sharon Lindsay, San Jose State University (SJSU).

DATA ACQUISITION AND CALIBRATION

Hydrographic data was acquired using a Neil Brown Mark III-B CTD and Sippican T-4 XBTs. A General Oceanics rosette sampler was attached to the CTD and was equipped with twelve 5 liter Niskin bottles for *in situ* water sampling. The CTD sampling rate was 32 Hz, but the acquisition software employed a pressure latch filter which limited each cast to a uniform series of 4308 data points. On the 500 m casts this resulted in the acquisition of 8 or 9 data points per meter of water. CTD data was acquired only on the downcast with a winch speed of approximately 30 m/min to 150 m then 60 m/min to 500 m. The data were acquired using an HP200 computer and stored on 3.5

Table 1. List of stations occupied during the Coastal Transition Zone (CTZ2) filament study, showing date, time, type, location, and weather.

Date	Time (UT)	Stn No.	Type	Latitude	Longitude	Wind Dir	Wind Spd(m/s)	Air (°C)	Dew pt. (°C)
June 16	0845	1	CTD	38 30.1	123 59.3	323	11.4	12.09	7.44
	1057	2	CTD	38 38.8	123 49.2	336	12.7	11.70	7.31
	1249	3	CTD	38 47.3	123 50.6	323	8.7	10.90	6.98
	1408	4	CTD	38 53.4	123 50.7	357	9.0	12.00	7.33
	1538	5	CTD	39 0.2	123 51.4	013	10.0	12.43	7.02
	1644	6	CTD	39 6.7	123 51.8	342	8.8	12.35	6.46
	1810	7	CTD	39 13.4	123 51.9	322	10.4	12.68	7.54
	1903	8	CTD	39 13.5	123 57.9	314	10.2	12.38	7.44
	2009	9	CTD	39 14.3	124 4.4	324	12.5	12.98	7.34
	2111	10	CTD	39 13.3	124 11.4	001	11.9	13.57	7.11
	2217	11	CTD	39 13.2	124 19.0	356	11.4	13.40	7.45
June 17	0032	12	CTD	39 6.4	124 12.4	316	13.3	13.25	7.09
	0140	13	CTD	39 3.2	124 7.4	319	12.4	13.80	6.93
	0330	14	CTD	38 58.2	124 2.4	315	15.5	13.32	7.10
	0520	15	CTD	38 54.9	124 11.9	323	14.9	13.55	7.68
	0743	16	CTD	38 51.8	124 23.2	320	16.5	12.73	7.52
	0916	17	CTD	38 46.8	124 17.0	329	13.7	12.90	7.71
	1032	18	CTD	38 41.9	124 11.9	325	13.1	13.27	7.51
	1156	19	CTD	38 36.3	124 6.2	317	12.5	12.49	7.60
	1315	20	CTD	38 31.8	124 1.2	324	13.1	11.96	7.37
	1446	21	CTD	38 25.9	123 53.3	317	10.8	12.18	7.63
June 18	0126	22	CTD	38 20.4	123 59.3	321	14.2	13.99	8.27
	0302	23	CTD	38 25.4	124 7.3	310	12.0	13.44	8.36
	0521	24	CTD	38 31.4	124 14.3	317	15.3	13.76	8.24
	0725	25	CTD	38 36.2	124 21.2	332	13.7	13.74	8.32
	1002	426	XBT	38 43.1	124 31.2	336	12.2	13.66	8.61
	1113	27	CTD	38 47.3	124 38.0	336	11.5	12.73	8.70
	1246	28	CTD	38 52.4	124 45.9	327	12.7	12.91	8.54
	1418	29	CTD	38 57.4	124 52.7	344	14.2	13.60	8.13
	1605	30	CTD	39 3.1	125 0.8	338	11.6	14.20	8.32
	1818	31	CTD	39 8.3	125 7.6	352	11.8	14.40	9.28
	2014	32	CTD	39 3.5	125 15.9	008	12.5	14.48	8.82
	2140	33	CTD	38 58.0	125 25.8	002	9.1	14.44	8.69
	2256	34	CTD	38 50.9	125 22.0	355	10.4	14.17	9.37
June 19	0018	35	CTD	38 44.4	125 16.7	334	11.3	14.65	9.27
	0143	36	CTD	38 37.0	125 11.9	339	9.8	13.76	9.43
	0300	37	CTD	38 30.0	125 8.3	330	9.8	12.96	9.84
	0422	38	CTD	38 23.4	125 4.1	334	10.2	12.71	9.88
	0553	39	CTD	38 15.8	125 0.1	323	8.9	12.40	9.63
	0736	40	CTD	38 8.5	124 56.0	322	9.5	12.52	9.67
	0858	41	CTD	38 1.6	124 51.9	322	9.4	12.67	9.65
	1027	42	CTD	37 54.1	124 47.7	333	11.0	12.71	9.73
	1203	43	CTD	37 46.9	124 44.1	328	10.3	12.73	9.57
	1336	44	CTD	37 47.0	124 56.0	344	9.8	13.03	9.47
	1515	45	CTD	37 47.0	125 9.0	346	8.8	13.42	9.17
	1657	46	CTD	37 47.0	125 22.0	012	7.6	13.33	8.73
	1844	47	CTD	37 47.1	125 33.0	353	7.6	13.77	8.36
	2009	48	CTD	37 53.7	125 35.7	005	5.6	13.68	8.12

Table 1. (continued)

Date	Time (UT)	Stn No.	Type	Latitude	Longitude	Wind Dir	Wind Spd(m/s)	Air (°C)	Dew pt. (°C)
	2143	49	CTD	38 2.6	125 35.2	320	8.3	13.50	8.36
	2317	50	CTD	38 10.5	125 35.4	299	7.8	13.66	8.04
JUNE 20	0044	51	CTD	38 18.4	125 35.1	310	7.8	12.74	8.83
	0319	52	CTD	38 26.5	125 35.1	304	5.5	12.53	10.04
	0440	53	CTD	38 34.0	125 35.2	295	5.8	12.61	8.28
	0613	54	CTD	38 41.9	125 35.2	318	3.7	12.80	10.20
	1752	55	CTD	38 31.3	123 20.7	174	9.1	10.85	7.83
	2015	56	CTD	38 42.3	123 35.7	359	5.4	12.26	8.85
	2314	57	CTD	38 53.7	123 51.1	004	0.2	13.98	10.47
JUNE 21	0016	58	CTD	39 0.2	123 51.5	193	1.2	13.89	10.83
	0110	59	CTD	39 6.8	123 51.8	144	2.5	13.25	10.76
	0220	60	CTD	39 13.2	123 51.8	145	3.8	13.35	11.74
	0356	61	CTD	39 25.4	123 52.3	178	4.7	13.09	10.83
	0457	62	CTD	39 25.3	124 0.7	162	2.7	12.28	10.56
	0609	63	CTD	38 25.3	124 9.2	163	5.5	12.49	10.37
	0831	641	CTD	39 9.6	124 4.9	308	4.2	12.35	11.20
	1021	65	CTD	38 53.3	124 1.1	345	4.6	12.55	10.71
	1216	66	CTD	38 39.8	123 50.7	311	7.3	11.47	10.14
	1424	67	CTD	38 26.3	123 39.3	352	7.6	11.95	10.62
	1553	68	CTD	38 18.2	123 32.4	353	8.6	12.65	9.47
	1657	69	CTD	38 14.7	123 39.4	349	9.9	13.65	9.42
	1802	70	CTD	38 11.4	123 46.4	333	10.0	13.42	8.78
	1937	71	CTD	38 18.3	123 51.4	335	11.1	14.83	9.46
	2101	72	CTD	38 25.3	123 55.2	334	11.5	14.82	9.05
	2222	73	CTD	38 32.2	124 0.0	308	13.9	14.68	9.01
	2325	731	CTD	38 30.4	124 1.1	318	14.3	14.15	8.48
JUNE 22	0046	74	CTD	38 36.3	124 2.9	318	14.6	14.64	8.70
	0225	75	CTD	38 41.5	124 6.1	328	14.1	14.74	8.84
	0336	76	CTD	38 33.7	124 6.7	324	15.0	14.39	8.44
	0516	77	CTD	38 27.2	124 6.4	327	13.0	14.23	8.44
	0632	78	CTD	38 20.3	124 6.2	320	15.5	14.03	8.04
	0754	479	XBT	38 13.3	124 5.6	333	16.0	12.93	8.24
	0850	480	XBT	38 5.2	124 6.1	326	16.4	14.01	8.13
	0957	481	XBT	38 9.9	124 9.1	327	13.8	14.41	8.09
	1051	482	XBT	38 14.5	124 11.4	335	15.1	14.18	8.15
	1549	483	XBT	38 35.7	124 22.1	336	17.0	14.92	8.02
	1909	484	XBT	38 33.6	124 24.0	338	14.1	14.34	8.37
	2002	485	XBT	38 28.2	124 24.7	335	14.1	14.37	6.14
	2100	486	XBT	38 22.6	124 26.0	324	13.0	14.33	8.83
	2145	487	XBT	38 18.5	124 26.9	334	12.3	14.13	8.88
	2238	488	XBT	38 13.8	124 26.8	333	12.9	14.78	8.78
	2341	489	XBT	38 8.1	124 26.0	331	14.1	15.09	8.96
JUNE 23	0030	490	XBT	38 3.8	124 26.1	320	15.4	15.23	8.98
	0133	491	XBT	37 58.5	124 26.3	333	14.1	15.05	9.13
	0323	492	XBT	38 3.9	124 28.9	-	-	-	-
	1444	493	XBT	38 57.1	124 46.6	331	14.5	14.85	9.49
JUNE 25	0832	494	XBT	37 57.1	123 9.7	217	2.3	10.25	8.89
	0927	495	XBT	37 56.2	123 20.8	254	2.7	10.45	8.95
	1014	496	XBT	37 55.8	123 30.6	300	2.7	10.59	9.28

Table 1. (continued)

Date	Time (UT)	Stn No.	Type	Latitude	Longitude	Wind Dir	Wind Spd(m/s)	Air (°C)	Dew pt. (°C)
	1104	497	XBT	37 55.2	123 40.6	325	4.4	11.46	9.51
	1153	498	XBT	37 54.7	123 50.9	318	6.2	11.28	9.47
	1242	499	XBT	37 54.0	124 1.0	330	5.3	11.67	9.70
	1326	500	XBT	37 53.4	124 9.6	334	7.4	12.62	10.25
	1416	501	XBT	37 52.5	124 19.6	343	6.9	12.28	10.16
	1509	502	XBT	37 52.3	124 29.6	332	9.8	13.05	10.09
	1603	503	XBT	37 50.3	124 38.2	351	8.6	12.55	10.24
	1739	79	CTD	37 43.3	124 37.0	019	6.7	12.54	10.22
	2325	80	CTD	38 0.5	124 25.8	323	5.5	12.12	9.50
JUNE 26	0034	81	CTD	38 7.4	124 26.0	327	5.2	11.83	9.88
	0155	82	CTD	38 14.4	124 25.9	339	4.5	11.23	9.99
	0343	825	CTD	38 17.6	124 26.5	332	1.0	10.52	9.36
	0440	826	CTD	38 18.0	124 28.1	315	4.9	10.58	9.16
	0545	83	CTD	38 21.4	124 26.0	008	1.1	10.04	9.09
	0817	84	CTD	38 28.3	124 26.0	101	1.1	9.75	8.79
	0934	85	CTD	38 35.4	124 26.0	266	1.9	9.45	8.78
	1046	86	CTD	38 42.4	124 25.8	178	0.3	9.45	8.60
	1159	87	CTD	38 49.5	124 25.7	094	2.5	9.60	9.04
	1311	88	CTD	38 41.2	124 22.8	058	2.2	9.60	8.61
	1420	89	CTD	38 34.1	124 19.5	113	2.2	9.56	8.70
	1542	90	CTD	38 26.8	124 17.2	161	1.3	10.25	9.42
	1716	905	CTD	38 23.9	124 15.1	128	0.6	10.53	9.30
	1821	906	XBT	38 23.1	124 15.4	242	4.4	10.75	9.00
	1826	907	XBT	38 22.9	124 14.8	242	4.4	10.75	9.00
	1845	91	CTD	38 20.2	124 12.6	142	1.7	13.40	9.52
	2056	92	CTD	38 12.4	124 9.4	132	2.2	12.03	8.55
	2225	93	CTD	38 6.2	124 6.1	184	3.4	12.00	9.58
	2308	935	CTD	38 5.8	124 5.3	235	2.5	12.21	9.79
JUNE 27	0053	941	CTD	38 13.4	124 6.5	273	1.7	12.15	9.99
	0216	95	CTD	38 13.2	124 6.5	081	0.7	11.58	10.43
	0323	96	CTD	38 27.4	124 6.3	221	1.0	11.21	9.33
	0433	97	CTD	38 34.4	124 6.3	149	0.9	10.84	9.03
	0548	98	CTD	38 41.4	124 6.3	325	0.2	10.65	-
	0715	99	CTD	38 44.5	124 13.1	066	1.3	10.50	10.14
	0825	100	CTD	38 46.9	124 20.3	234	2.2	10.95	10.29
	0928	101	CTD	38 49.4	124 26.2	301	2.1	10.93	10.69
	1025	102	CTD	38 50.5	124 20.0	247	1.3	10.88	10.18
	1150	103	CTD	38 51.7	124 13.4	164	2.8	10.69	10.59
	1250	104	CTD	38 52.6	124 7.5	136	4.5	10.23	9.42
	1358	105	CTD	38 53.3	124 1.8	173	6.1	10.14	9.36
	1456	106	CTD	38 54.0	123 55.8	213	4.9	10.40	9.41
	1555	107	CTD	39 0.4	123 55.4	198	5.7	10.76	9.82
	1700	108	CTD	39 0.2	124 4.6	202	6.2	10.68	9.50
	1715	908	CTD	39 0.1	124 4.4	173	6.4	10.63	8.55
	1806	109	CTD	39 0.2	124 12.6	171	4.9	10.85	9.66
	1913	110	CTD	39 0.1	124 21.0	152	3.7	11.13	8.66
	2015	111	CTD	39 0.1	124 29.2	162	5.0	11.47	10.00
	2307	908	XBT	39 3.2	124 3.3	268	2.9	12.18	9.14
	2352	909	XBT	38 57.0	124 2.9	277	3.6	12.02	9.39

Table 1. (continued)

Date	Time (UT)	Stn No.	Type	Latitude	Longitude	Wind Dir	Wind Spd(m/s)	Air (°C)	Dew pt. (°C)
JUNE 28	0202	112	CTD	38 36.6	124 2.1	061	1.4	11.86	10.53
	0304	113	CTD	38 32.4	123 59.2	023	1.4	11.90	10.45
	0427	114	CTD	38 25.7	123 54.5	316	2.2	11.96	10.28
	0541	115	CTD	38 18.7	123 50.7	350	3.3	12.13	10.00

inch diskettes. Upon return to shore the data were transferred to 9 track tape and then processed on an IBM 3033 mainframe computer.

In addition to the CTD and XBT data, an underway data acquisition loop recorded 30 second averages of sea surface temperature and salinity, sea surface skin temperature, wind speed and direction, air temperature, dew point temperature, and visible and infrared radiation. The sensors used to acquire this data included Seabird temperature and conductivity sensors for the sea surface temperature and salinity, a Rosemount 100 ohm platinum resistance thermistor for the sea surface skin temperature, an R. M. Young anemometer for the wind speed and direction, a General Eastern dewpoint sensor for the air and dewpoint temperatures, and Epply pyronometers for the visible and infrared radiation. The underway data was acquired on an HP9816 computer and recorded on 3.5 inch diskettes. Like the CTD data, the underway data were transferred to 9 track tape upon return and processed on the IBM mainframe.

The temperature, conductivity, and pressure sensors on the CTD and the temperature and conductivity sensors of the underway sampling system were calibrated shortly after the cruise. The pressure calibration was carried out using a Chandler Engineering dead weight tester as a standard. At 10 equally spaced pressures from 50 to 500 db, indicated pressures from the standard and the CTD sensor were recorded. The differences between recorded values were within the stated accuracy of the sensor (+/- 1.6 db) therefore no pressure correction was applied.

The temperature calibration was done using a Seabird temperature sensor as a standard. This standard sensor is recalibrated by the manufacturer approximately every six months. A temperature bath of 70 - 80 liters of fresh water in an insulated tub was used to compare the standard and sample sensors at 1 ^{o}C increments from 0 - 20 ^{o}C. 30 data points were collected at each

temperature and then averaged to yield a single value for each sensor. A regression analysis was run on the 21 data points revealing a linear difference between the standard sensor and all of the sample sensors. The coefficients for the correction to the CTD temperature sensor were 1.00020 (slope) and +0.02361 (intercept). The best fit for the Seabird temperature sensor used in the underway sea surface temperature was linear with a slope of 1.0027 and an intercept of +0.0087. The relationship between the resistance of the Rosemount thermistor used for measuring sea surface skin temperature and the reference sensor was also linear with a slope of 2.568 and an intercept of -256.865.

The conductivity calibration was carried out using a Guildline Model 8400 Autosal as a standard. A constant conductivity bath was used to compare the standard and sample sensor conductivities at five different conductivity levels. 10 samples were taken at each conductivity level and averaged to yield a single value for each sensor at each conductivity level. Regression analysis was run comparing the sample cell conductivities (CTD and underway) with the standard sensor conductivities (Autosal). A linear correction was found for the CTD sensor with coefficients of 1.001487 (slope) and -0.034173 (intercept). The best fit for the Seabird conductivity sensor used in the underway system was a linear correction with coefficients of 1.0027 (slope) and +0.0087 (intercept).

A total of 42 water samples were taken at 7 CTD stations for post cruise calibration. The CTD pressure, conductivity and temperature were noted as each sample was taken. These numbers, after applying the calibration coefficients, were used to calculate salinity and the results compared with the water sample salinities calculated using the Guildline Model 8400 Autosal in the laboratory. In order to avoid erroneous comparisons due to ship roll in areas

of high vertical salinity gradients, samples were eliminated from consideration if the salinity within 2 meters of the nominal sample depth changed more than 0.01 PSU. The number of comparable points was reduced to 32 by this constraint. The differences between Autosal calculated salinities and those from the CTD are listed in Table 2. The mean difference was +0.005 with a range of -0.077 to +0.025. No further adjustments were made to the CTD conductivities based on water bottle sample comparisons.

DATA PROCESSING

After the raw CTD data was transferred to the IBM 3033 mainframe computer at the Naval Postgraduate School, the described temperature and conductivity corrections were applied to produce profiles of corrected pressure, temperature, and conductivity. Salinity was calculated from these corrected values according to the algorithm of Lewis and Perkin (1981). Severe spiking due to system malfunctions was eliminated from the salinity signal with a search for vertical salinity gradients greater than 1.0 PSU/m. Points that were determined to be bad were replaced using linear interpolation. Time lag spikes were eliminated by discarding salinity data in regions where the vertical temperature gradient exceeded 0.2 ^{o}C/m and replacing the discarded data with linearly interpolated values. Finally the data were averaged within 1 m intervals and visually examined for any remaining outliers missed during processing. If found, these points were replaced with linearly interpolated values.

The density anomaly (γ) at atmospheric pressure was calculated using the corrected values of temperature and salinity and the appropriate algorithms found in Volume 4 of the International Oceanographic Tables (UNESCO, 1987). Surface plots of temperature, salinity, and dynamic height relative to 500 db. were contoured subjectively by hand.

Table 2. Differences between salinities calculated using the corrected CTD pressure, temperature, and conductivity readings and those of the water samples at the same depth measured by the Guildline Autosal.

STA	Z	CTD SAL	SAMPLE SAL	DIFFERENCE
2	484	34.206	34.208	-0.002
	350	34.180	34.180	0.000
	201	34.100	34.177	-0.077
	4	33.031	33.005	+0.025
16	432	34.159	34.148	+0.011
	372	34.067	34.063	+0.004
	226	34.095	34.087	+0.008
	10	32.877	32.859	+0.018
29	489	34.176	34.169	+0.007
	448	34.127	34.126	+0.001
	399	34.097	34.094	+0.003
	348	34.092	34.090	+0.002
	299	34.094	34.086	+0.008
	8	32.820	32.812	+0.008
49	533	34.174	34.169	+0.005
	448	34.132	34.113	+0.019
	398	34.081	34.071	+0.010
	347	34.061	34.055	+0.006
	300	34.024	34.013	+0.011
	23	32.861	32.849	+0.013
71	475	34.180	34.180	0.000
	397	34.149	34.146	+0.003
	299	34.081	34.076	+0.005
	200	34.027	34.028	-0.001
81	511	34.220	34.211	+0.009
	450	34.131	34.123	+0.008
	399	34.093	34.079	+0.014
	198	33.974	33.955	+0.019
112	449	34.202	34.197	+0.005
	301	34.148	34.139	+0.009
	179	33.998	33.990	+0.008
	69	33.568	33.556	+0.012

DATA PRESENTATION

The CTD station positions and numbers for each part of the cruise are shown in Figs. 1, 3, and 4 respectively. The XBT station numbers and positions for all parts of the cruise are shown in Fig. 2. Maps of hourly averaged wind vectors during each part of the cruise are presented in Figs. 5-7.

Hydrographic data are presented in the form of horizontal maps, vertical sections, and vertical profiles. Maps of surface temperature (T), salinity (S), and dynamic height relative to 500 db ($\Delta D_o/500$) for each part of the cruise are presented in Fig. 8-16. Vertical sections of temperature, salinity, and the density anomaly at atmospheric pressure (γ) from the CTD data are shown in Figs. 17-35. Sections from part I are shown in Figs. 17-24, those from part II in Figs. 25-28, and those from part III in Figs. 29-35. Figs. 36 and 37 are vertical sections of temperature from the XBT drops made during parts of the cruise. Selected data from each CTD cast is presented along with a vertical profile of temperature, salinity, and density anomaly at atmospheric pressure in Fig. 38. Fig. 39 presents the XBT data in the same form. In these two figures an asterisk next to a point in the data listing indicates that the point is an interpolated value.

ACKNOWLEDGEMENTS

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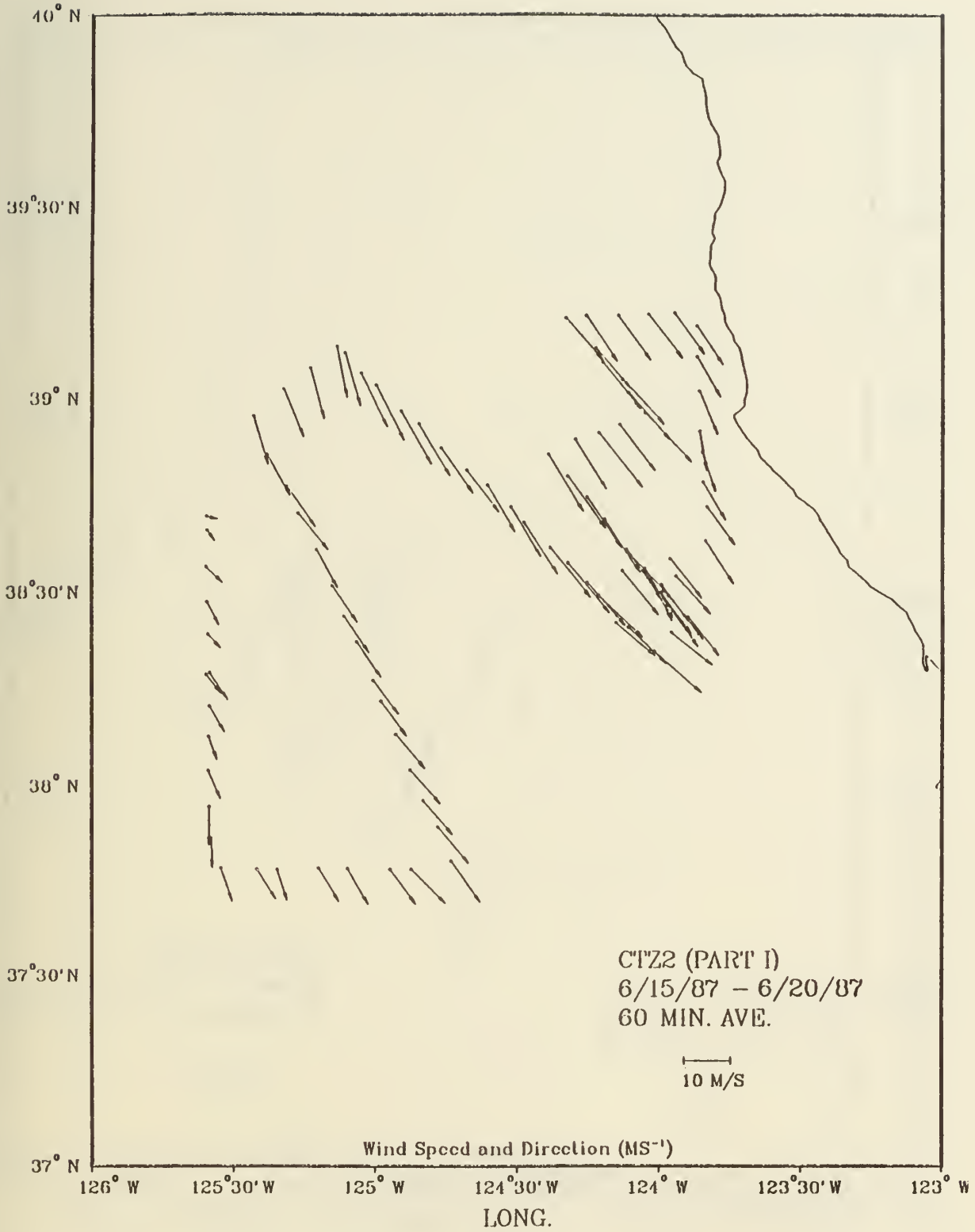


Figure 5. Hourly averages of wind speed and direction measured at 10 m height from the R/V POINT SUR during part I of cruise CTZ2.

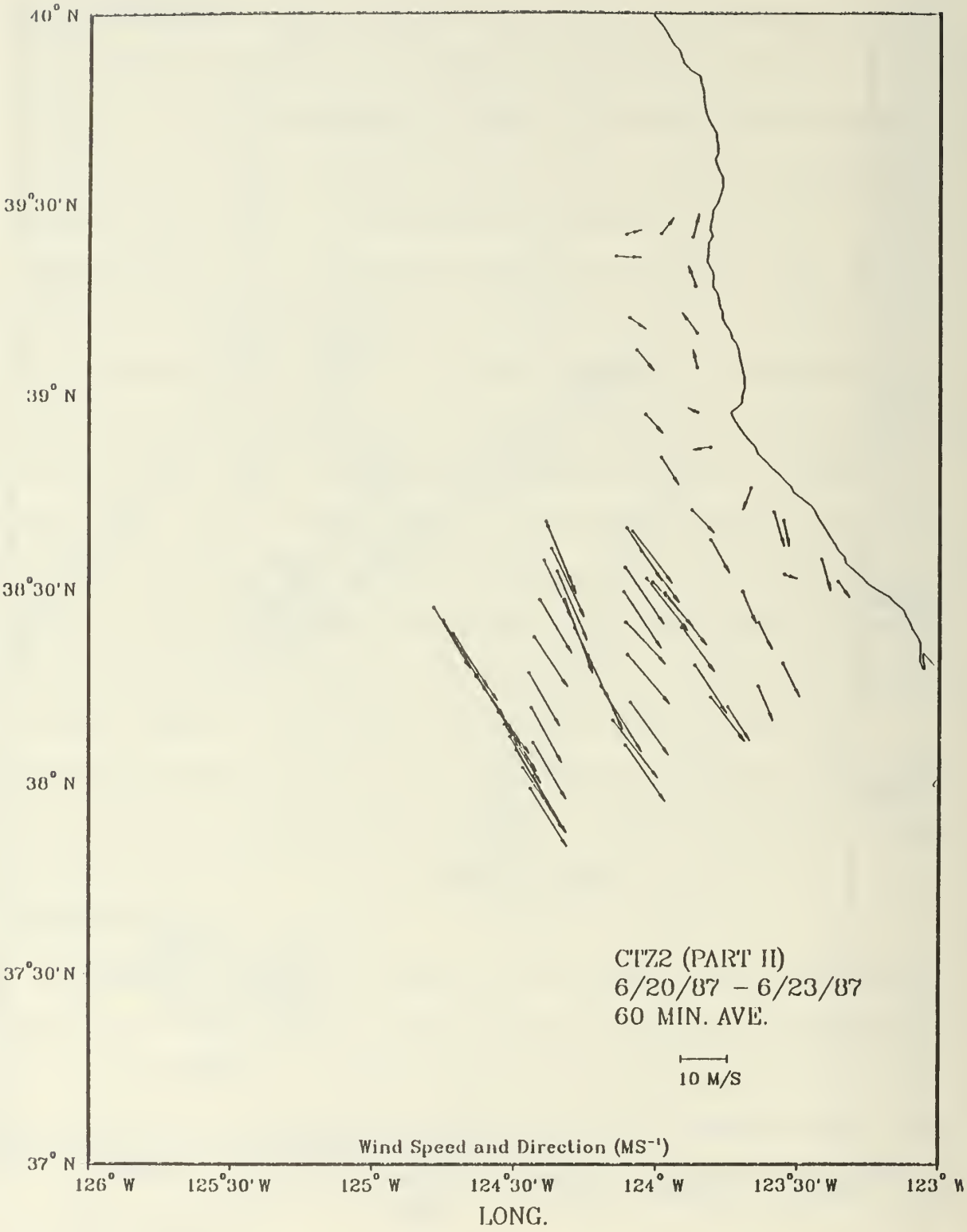


Figure 6. Hourly averages of wind speed and direction measured at 10 m height from the R/V POINT SUR during part II of cruise CTZ2.

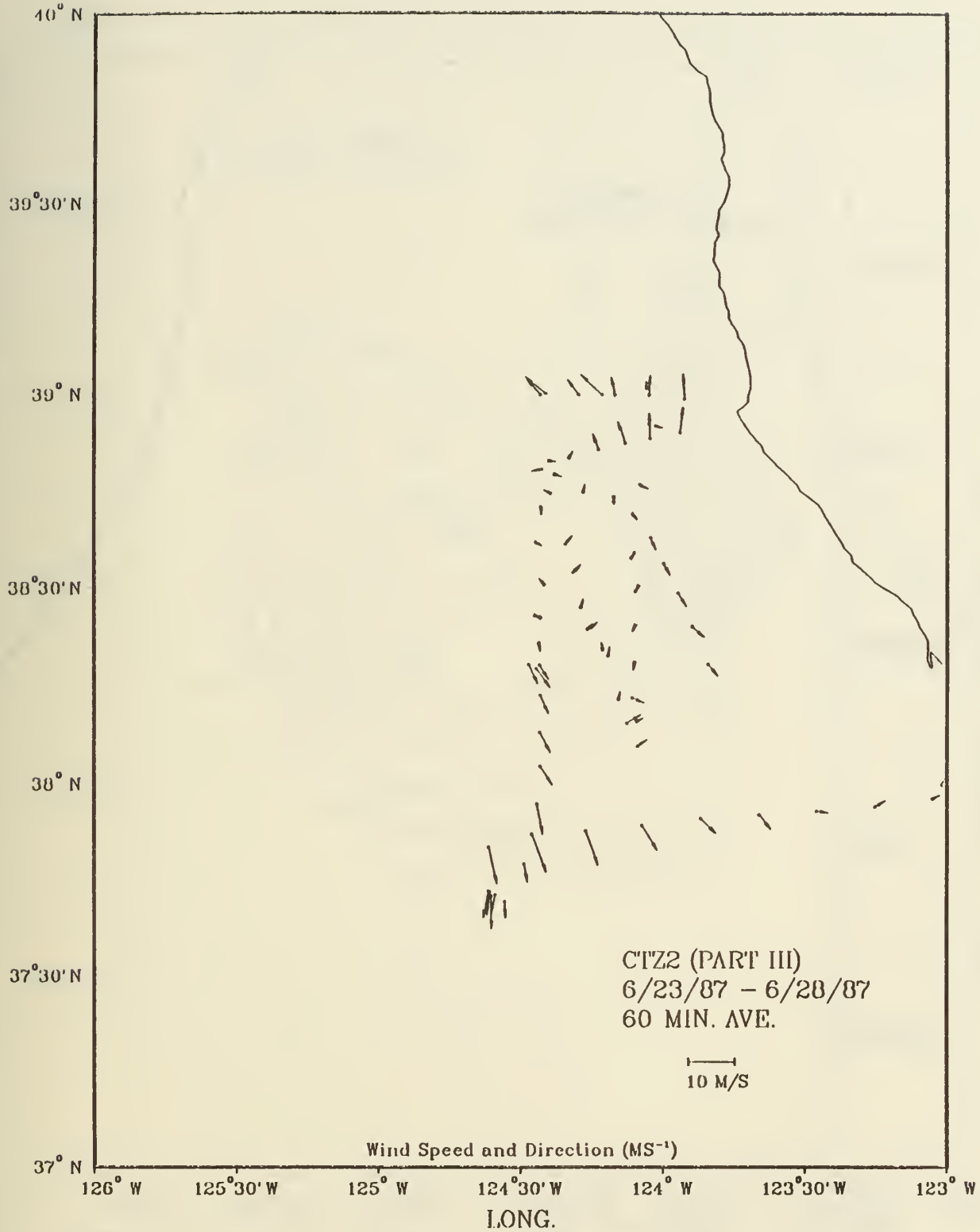


Figure 7. Hourly averages of wind speed and direction measured at 10 m height from the R/V POINT SUR during part III of cruise CTZ2.

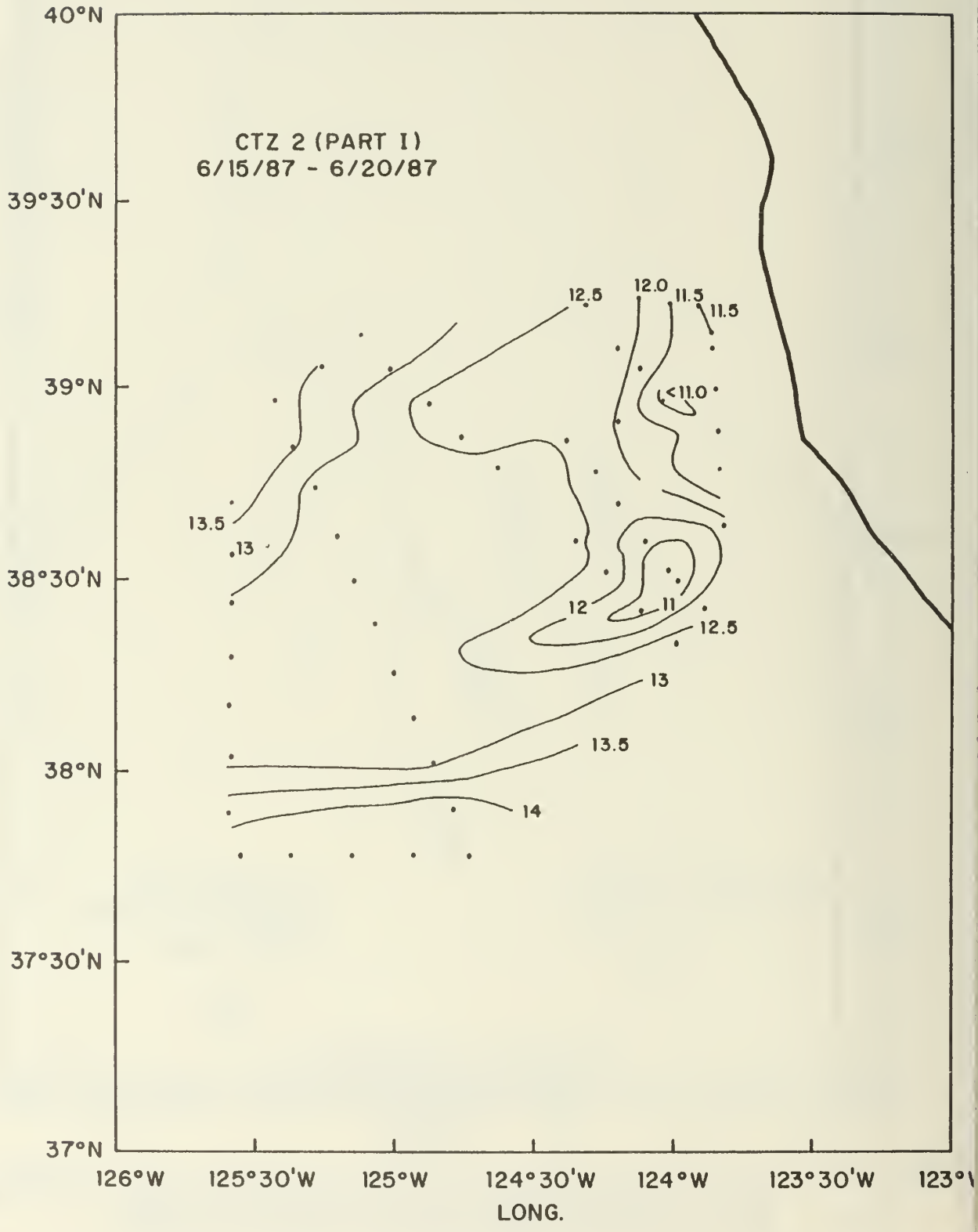


Figure 8. Map of surface temperature during part I of cruise CTZ2, June 15-
1987.

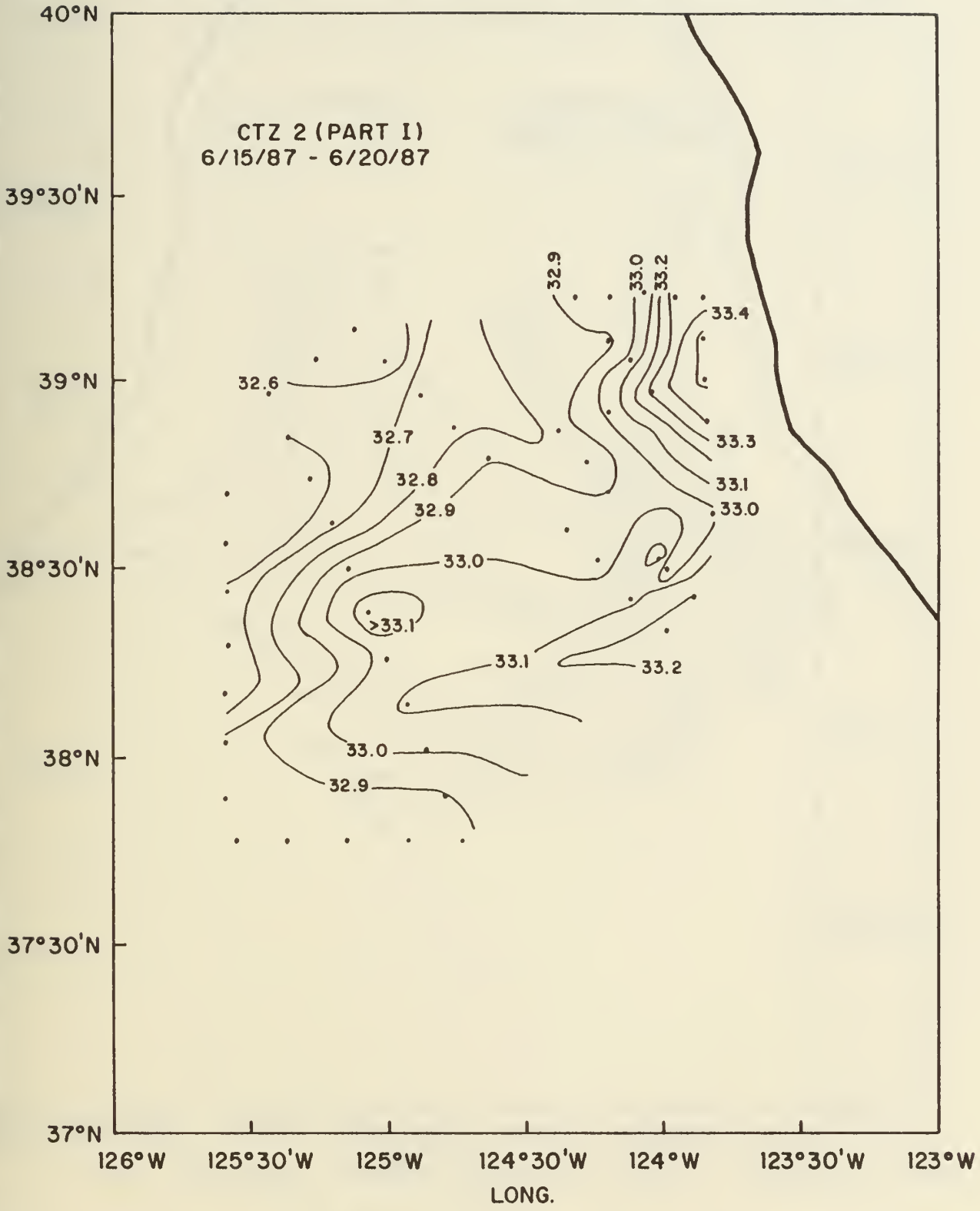


Figure 9. Map of surface salinity during part I of cruise CTZ2, June 15-20, 1987.

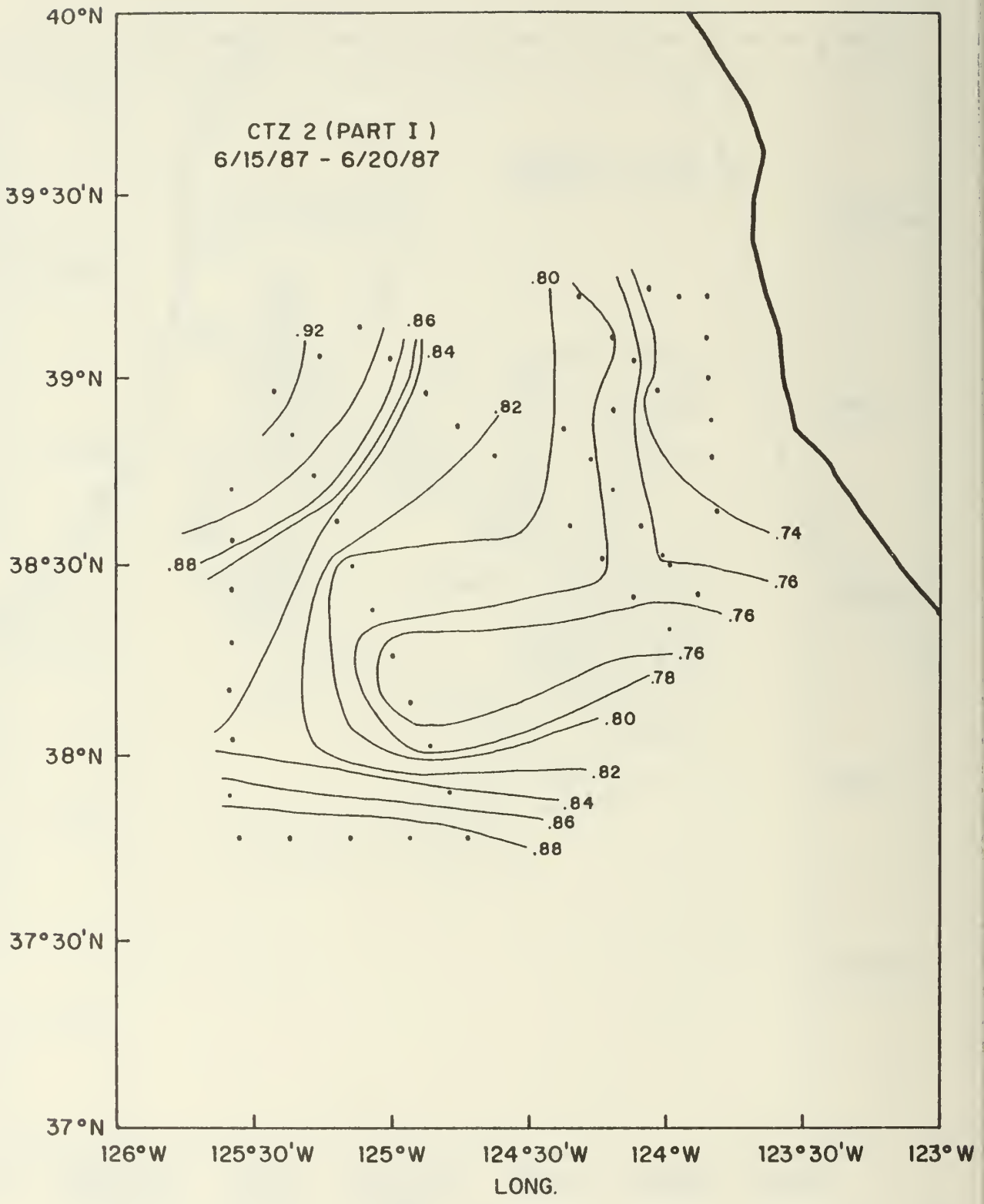


Figure 10. Map of the dynamic height (dyn. m) at the sea surface relative to 500 db during part I of cruise CTZ2, June 15-20, 1987.

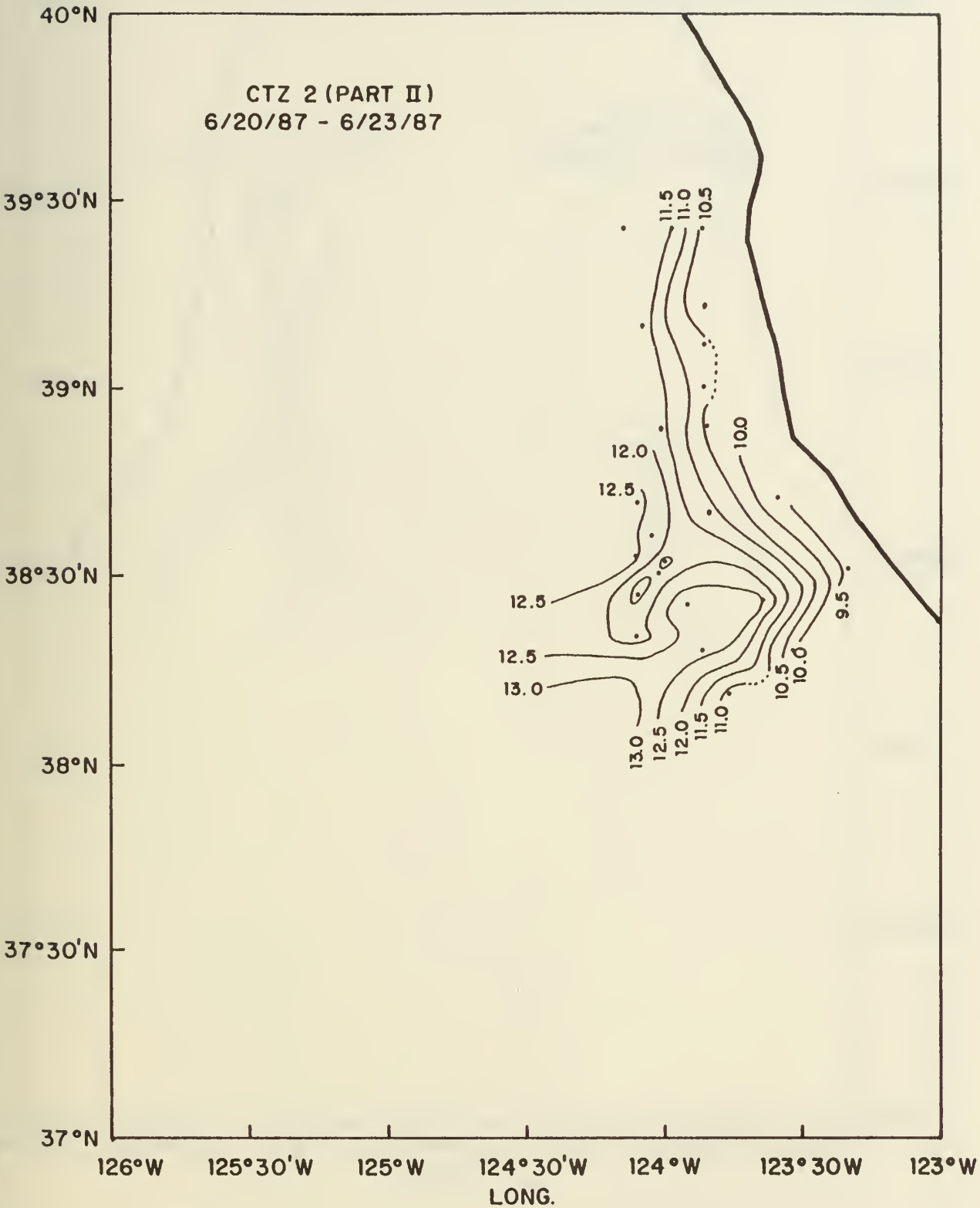


Figure 11. Map of surface temperature during part II of cruise CTZ2, June 20-23, 1987.

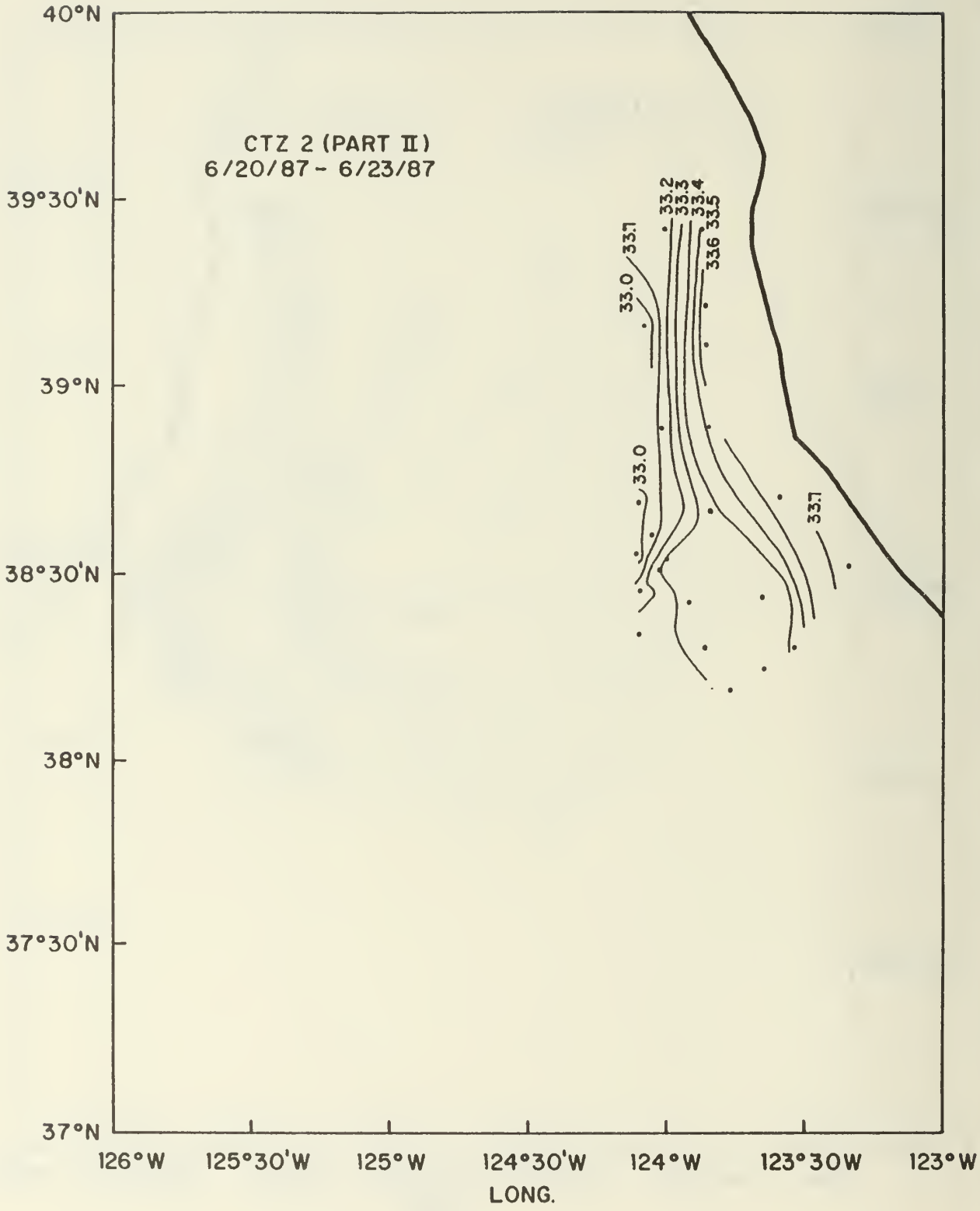


Figure 12. Map of surface salinity during part II of cruise CTZ2, June 20-23, 1987.

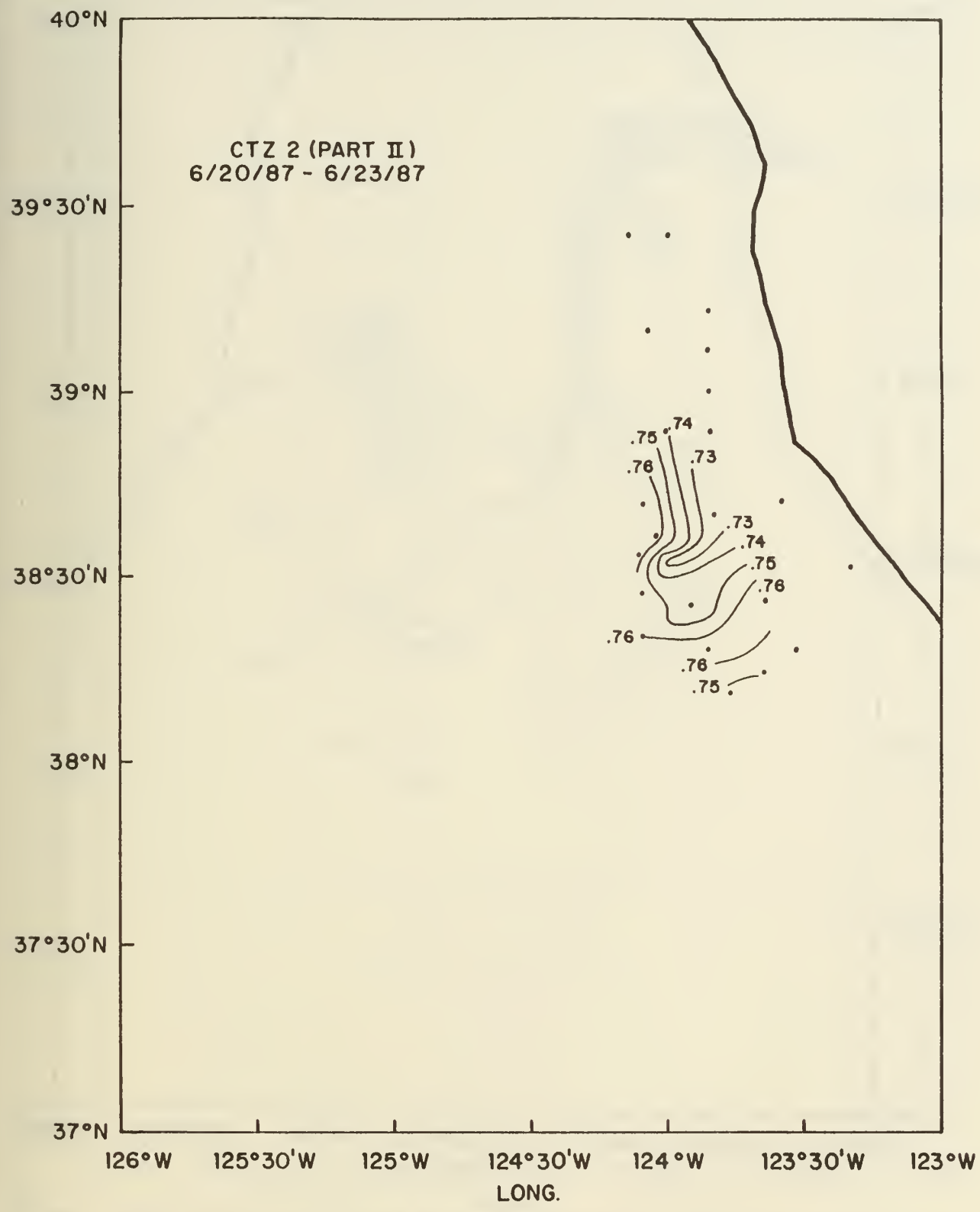


Figure 13. Map of the dynamic height (dyn. m) at the sea surface relative to 500 db during part II of cruise CTZ2, June 20-23, 1987.

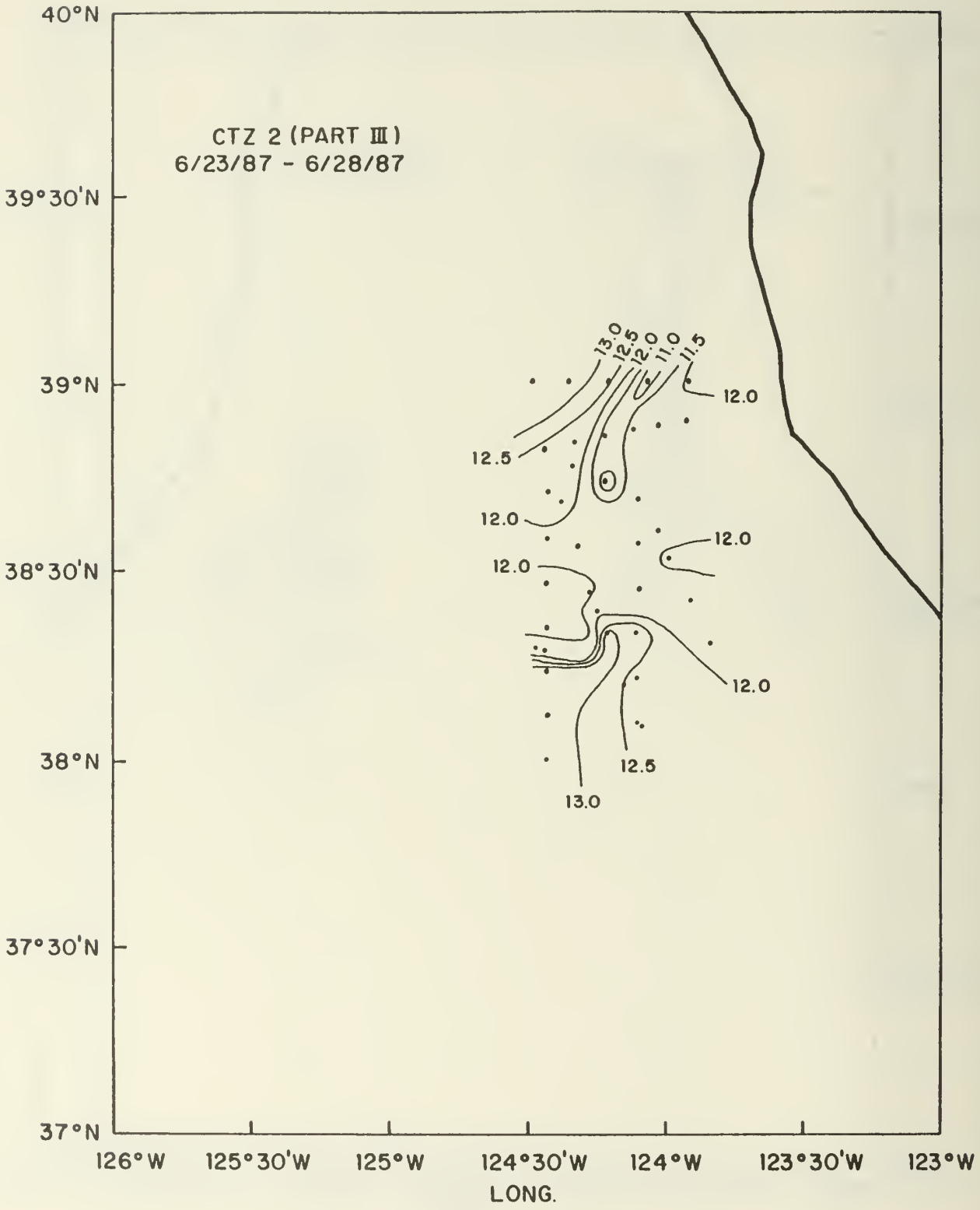


Figure 14. Map of surface temperature during part III of cruise CTZ2, June 23-28, 1987.

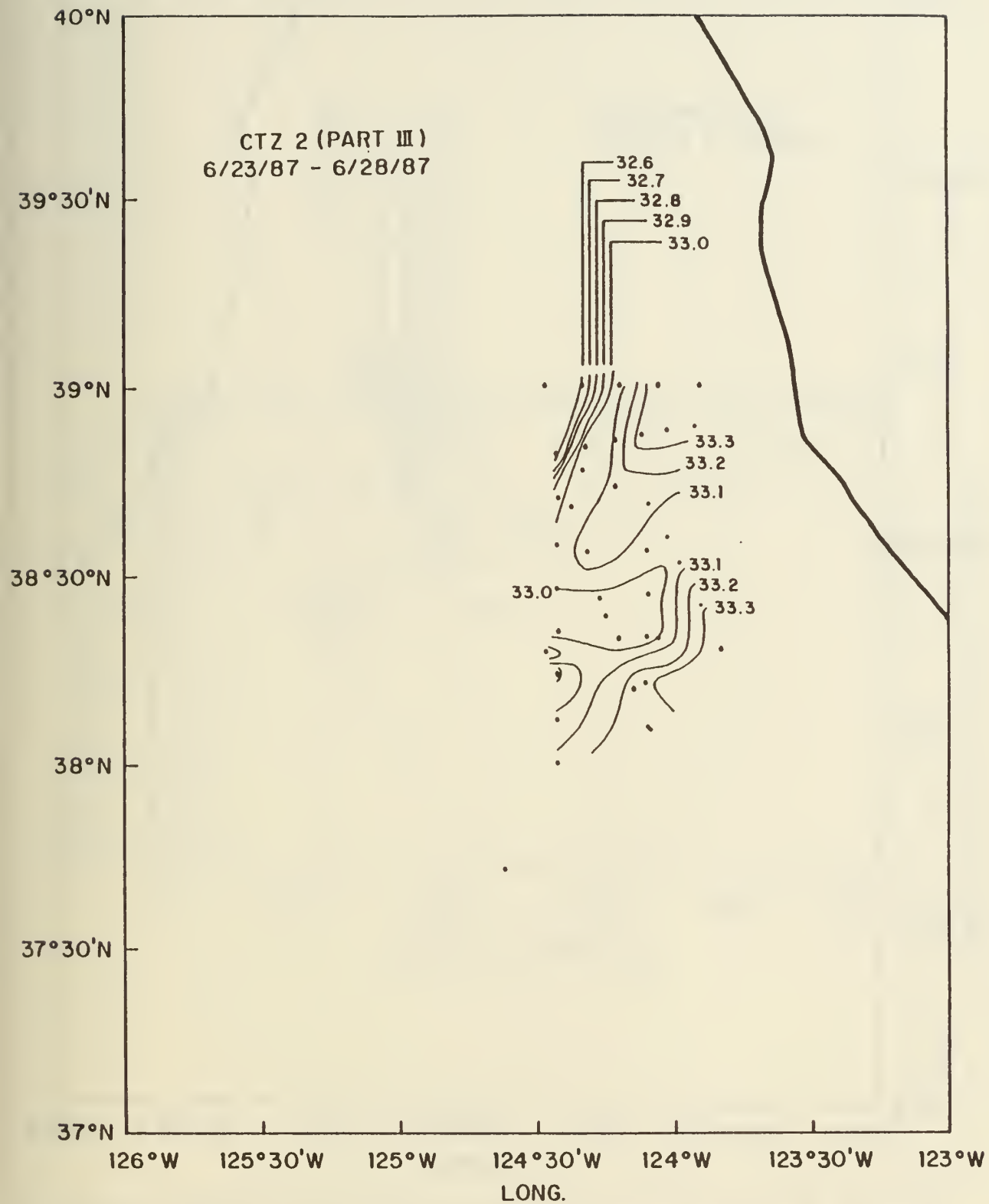


Figure 15. Map of surface salinity during part III of cruise CTZ2, June 23-28, 1987.

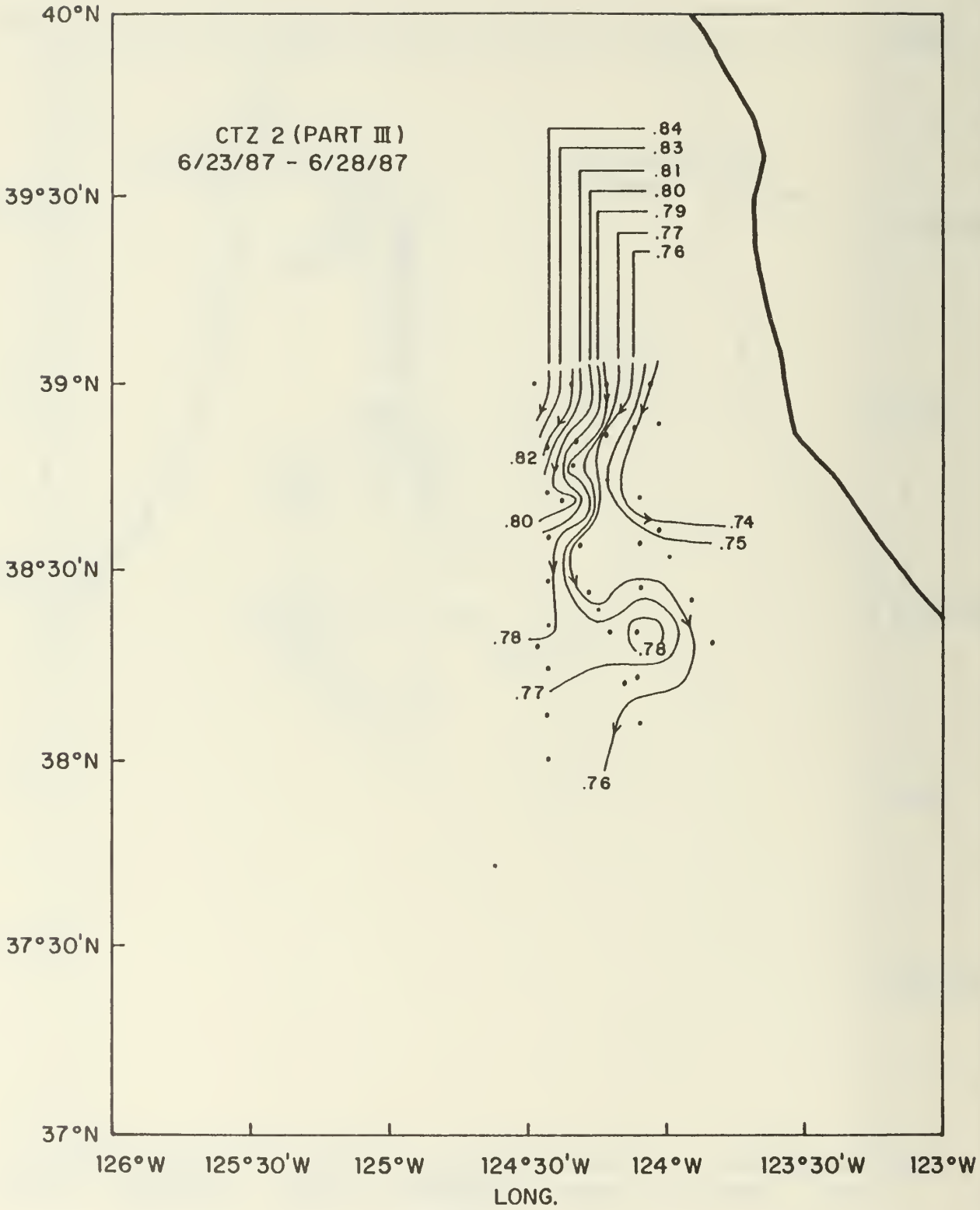


Figure 16. Map of the dynamic height (dyn. m) at the sea surface relative to 500 db during part III of cruise CTZ2, June 23-28, 1987.

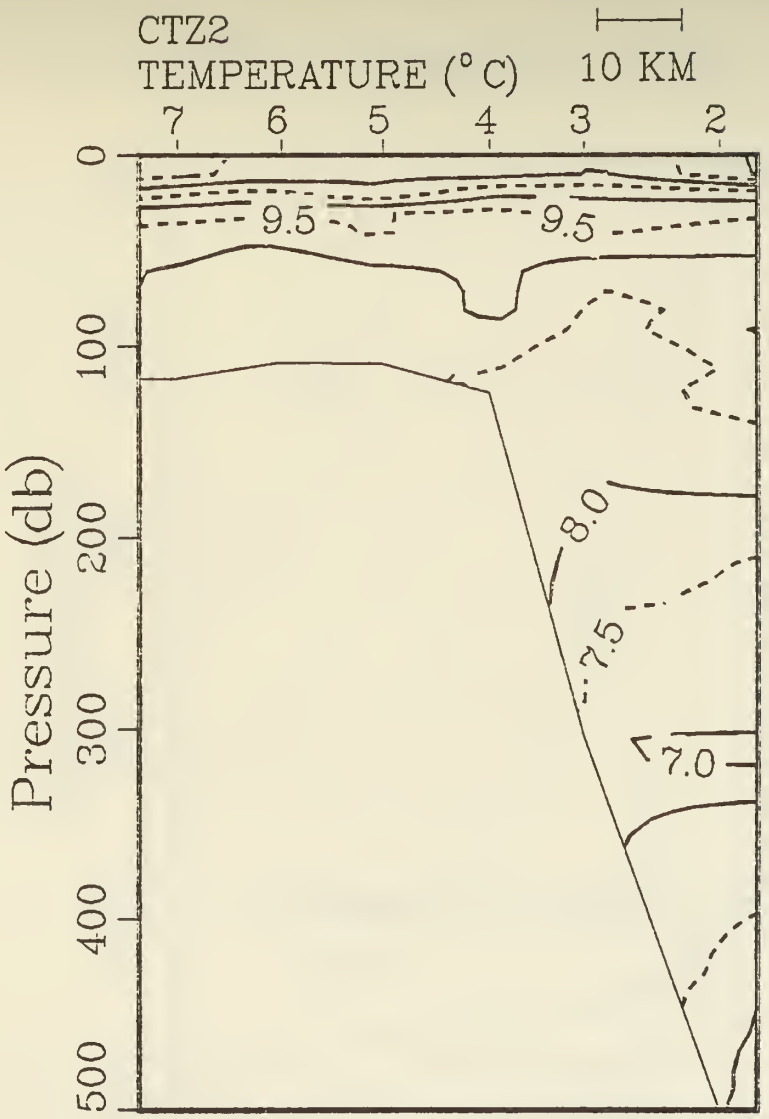


Figure 17. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 2-7 of part I.

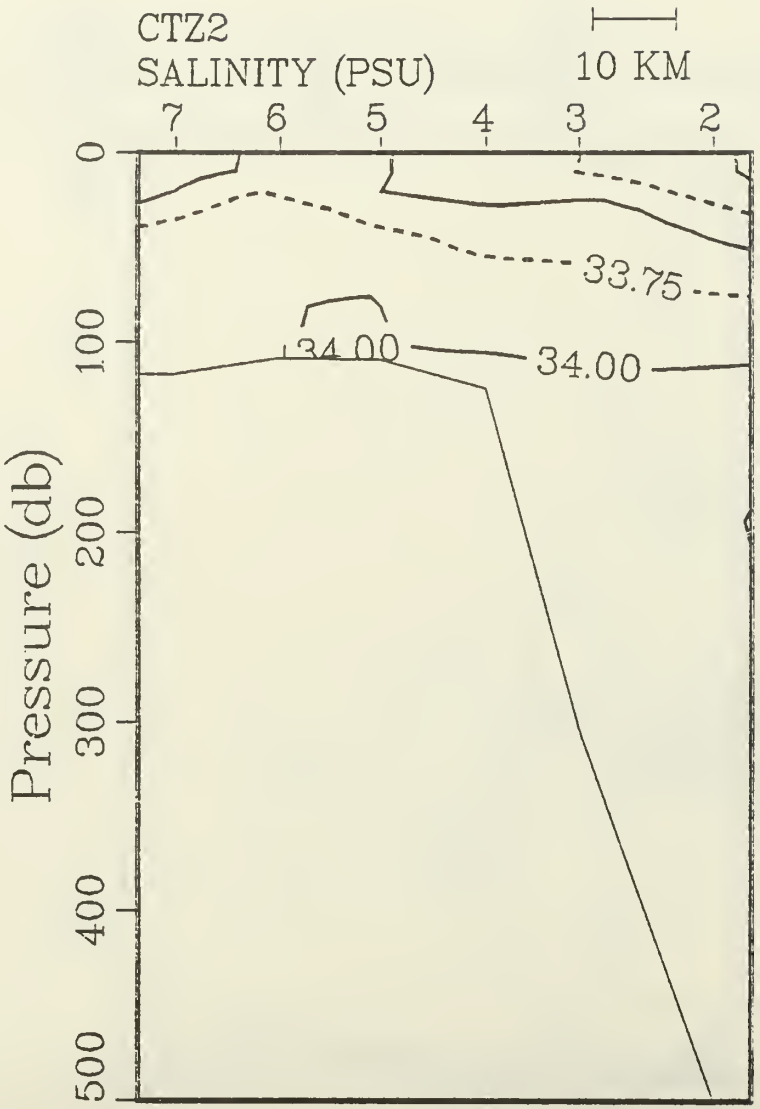

CTZ2
SALINITY (PSU)
10 KM
7
6
5
4
3
2
0
100
200
300
400
500
Pressure (db)
33.75
34.00
34.00

Figure 17b.

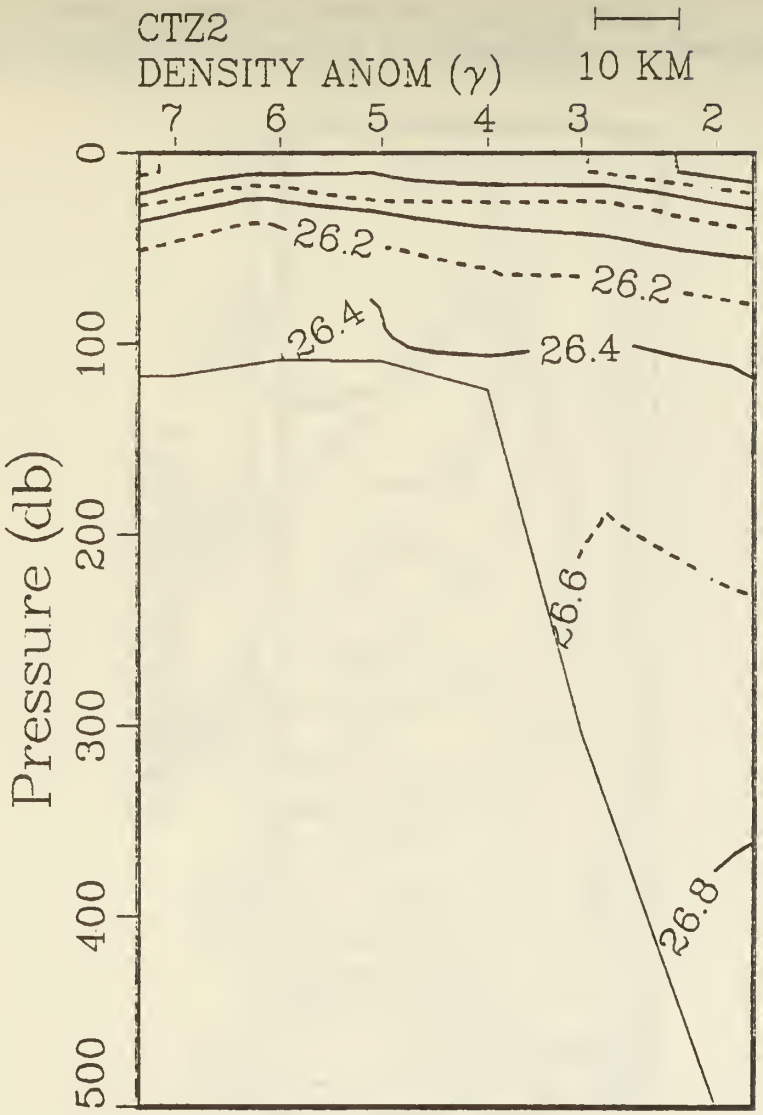

CTZ2
DENSITY ANOM (γ)
10 KM
7
6
5
4
3
2
0
100
200
300
400
500
Pressure (db)
26.2
26.2
26.4
26.4
26.6
26.8

Figure 17c.

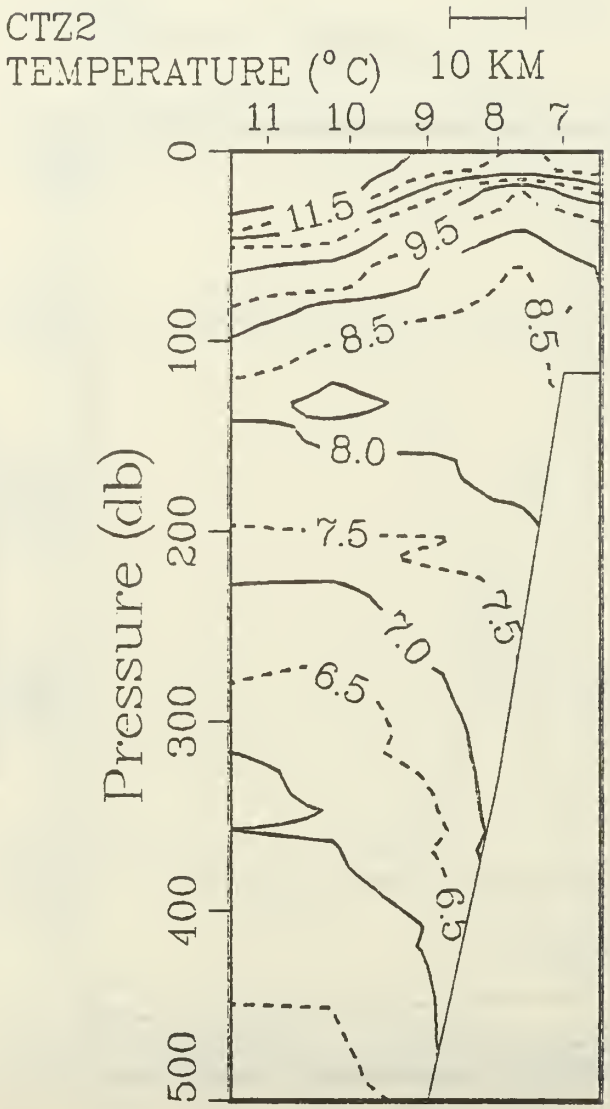


Figure 18. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 7-11 of part I.

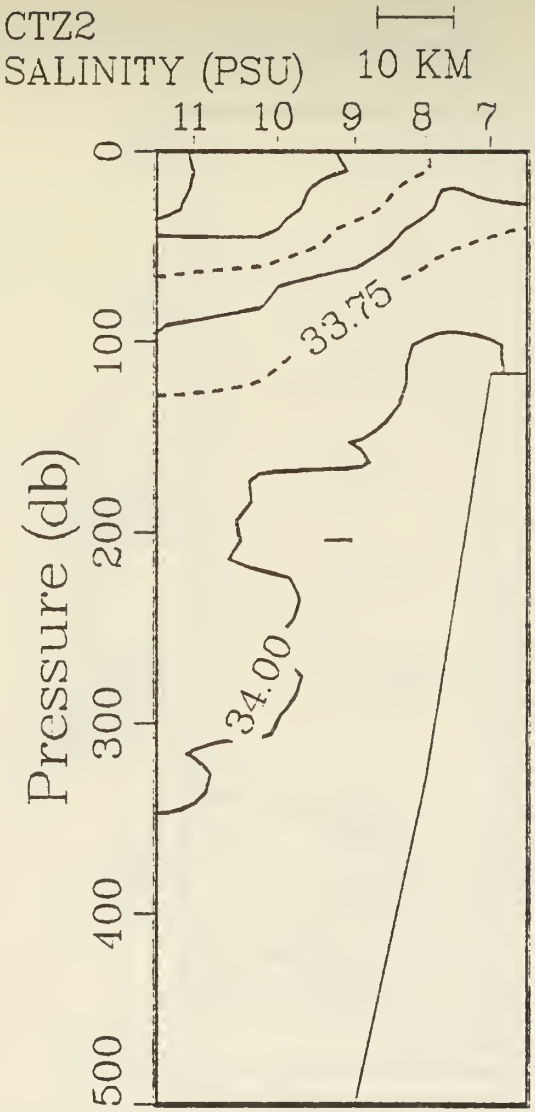

CTZ2
SALINITY (PSU)
10 KM
11
10
9
8
7
0
100
200
300
400
500
Pressure (db)
33.75
34.00

Figure 18b.

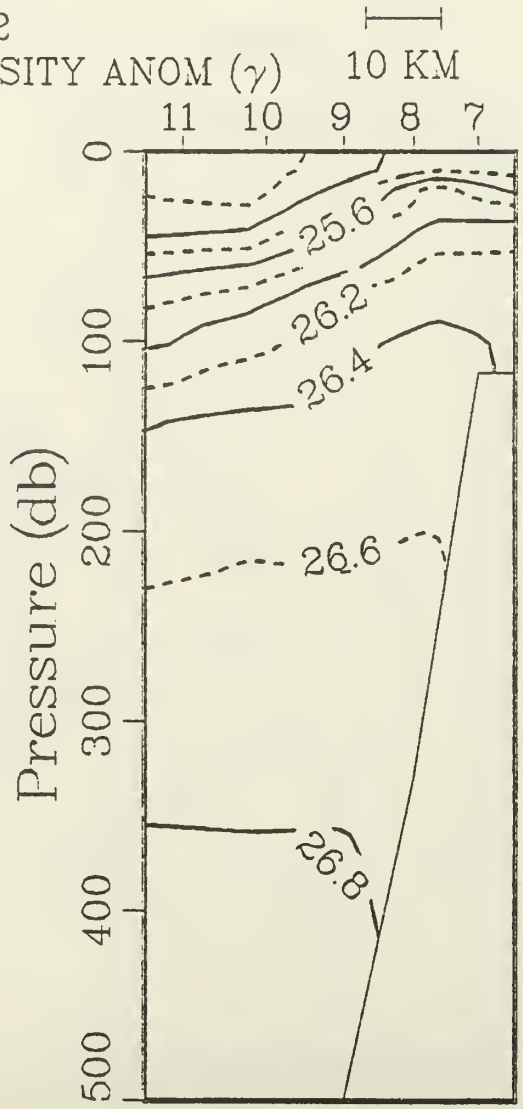

CTZ2
DENSITY ANOM (γ)
10 KM
11
10
9
8
7
0
100
200
300
400
500
Pressure (db)
25.6
26.2
26.4
26.6
26.8

Figure 18c.

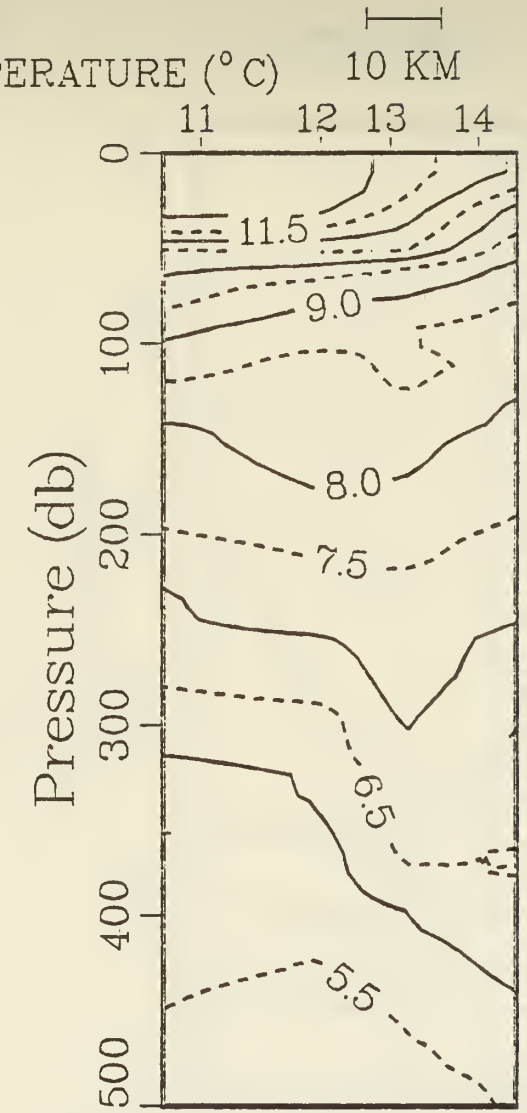


Figure 19. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 11-14 of part I.

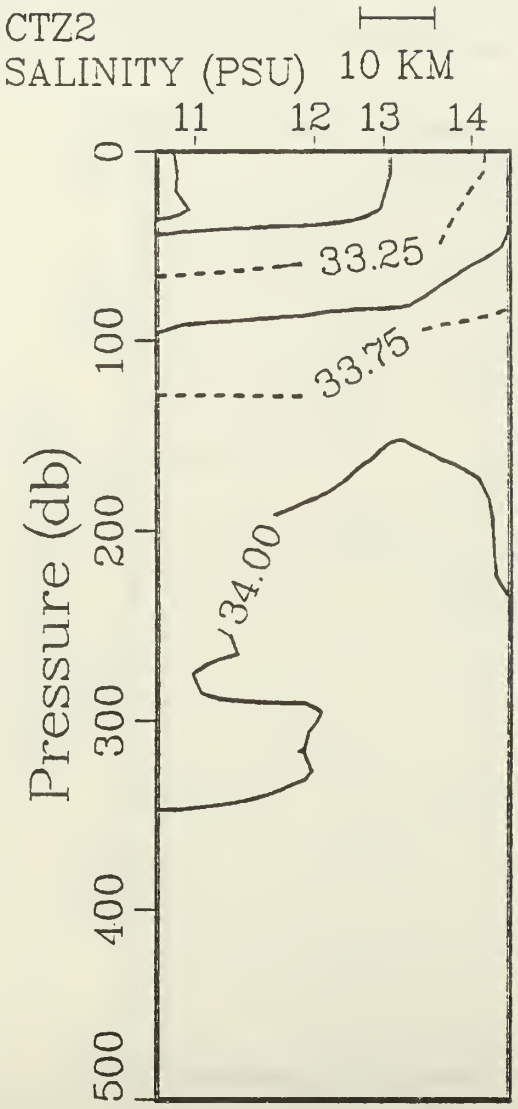

CTZ2
SALINITY (PSU)
10 KM
11
12
13
14
0
100
200
300
400
500
Pressure (db)
33.25
33.75
34.00

Figure 19b.

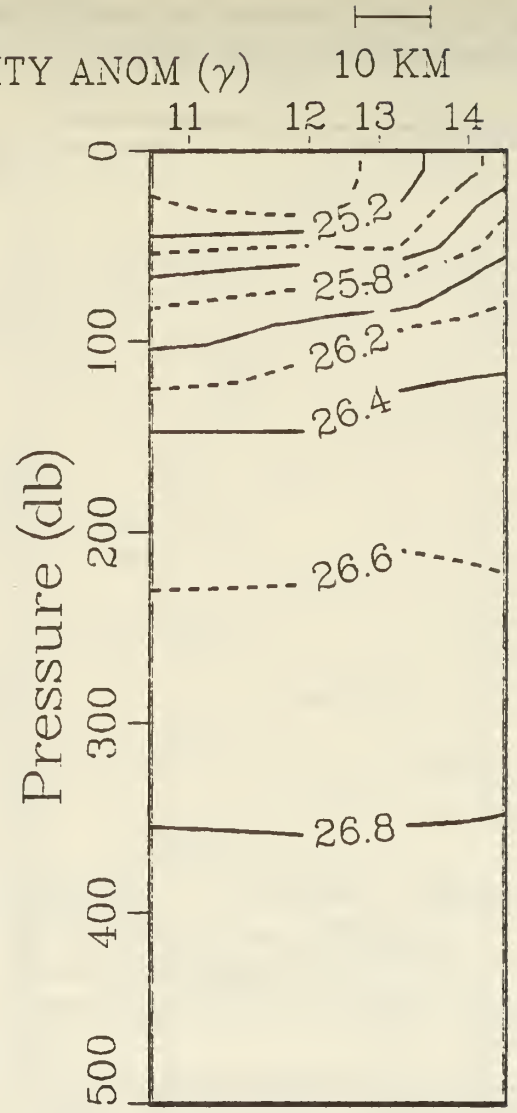

CTZ2
DENSITY ANOM (γ)
10 KM
11
12
13
14
0
100
200
300
400
500
Pressure (db)
25.2
25.8
26.2
26.4
26.6
26.8

Figure 19c.

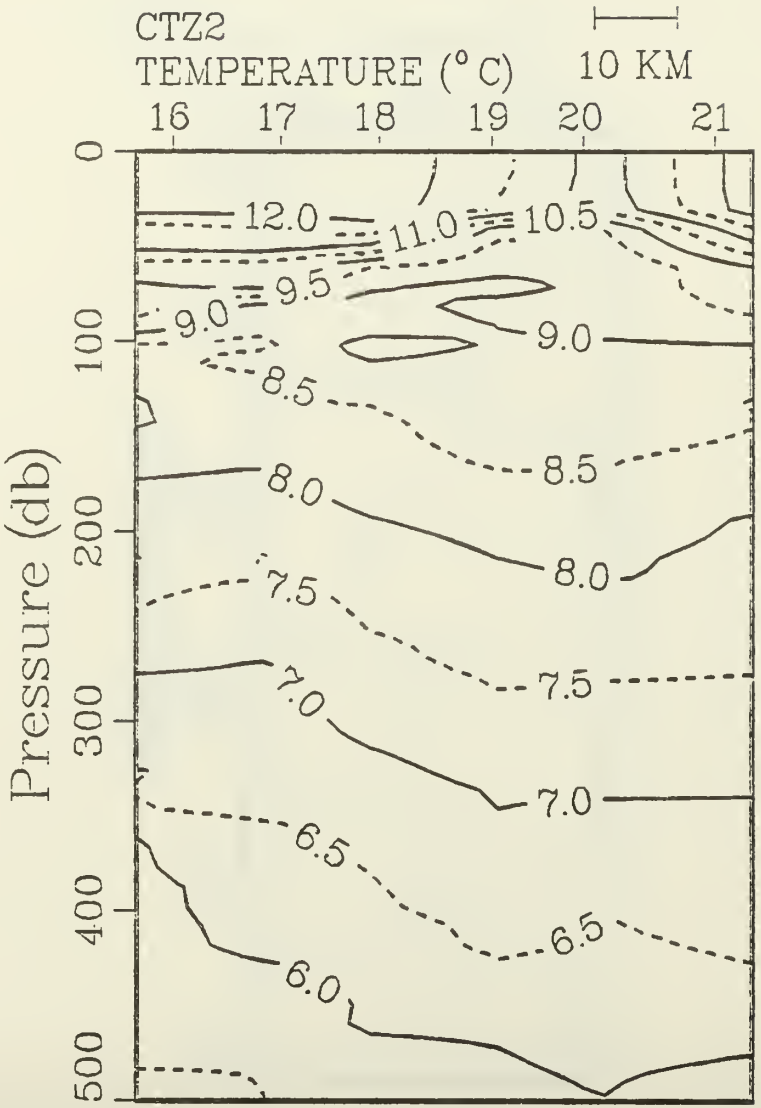


Figure 20. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 16-21 of part I.

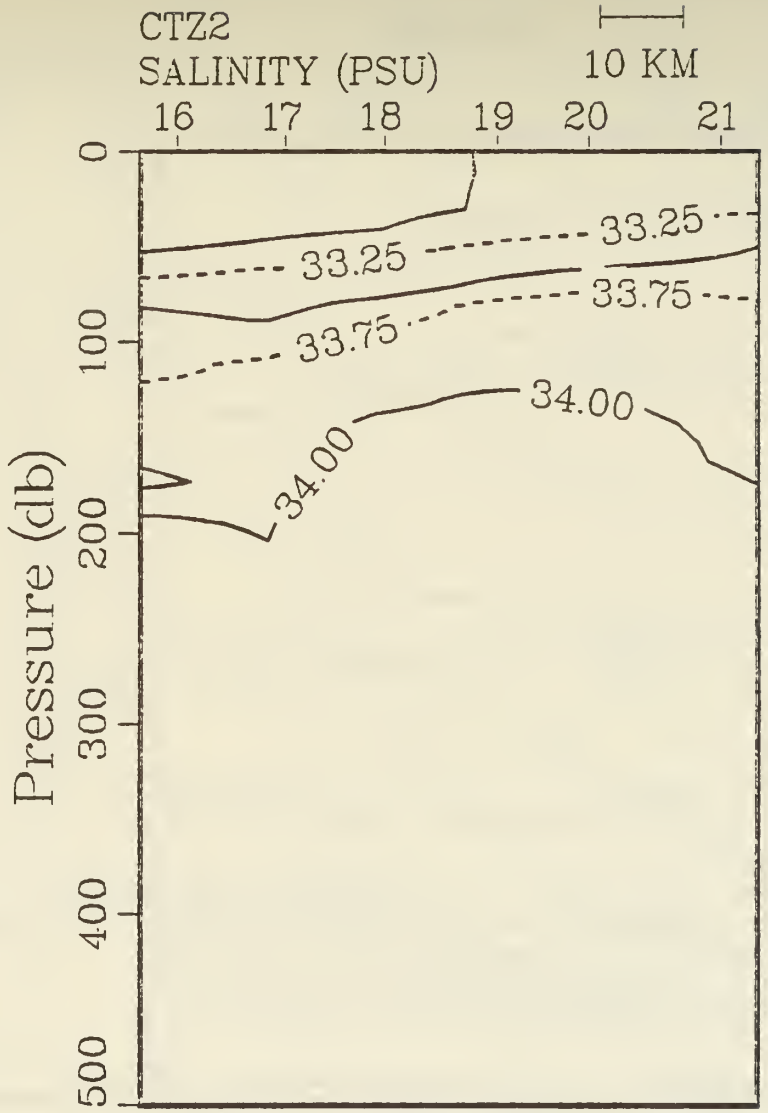

CTZ2
SALINITY (PSU)
10 KM
16
17
18
19
20
21
0
100
200
300
400
500
Pressure (db)
33.25
33.25
33.75
33.75
34.00
34.00

Figure 20b.

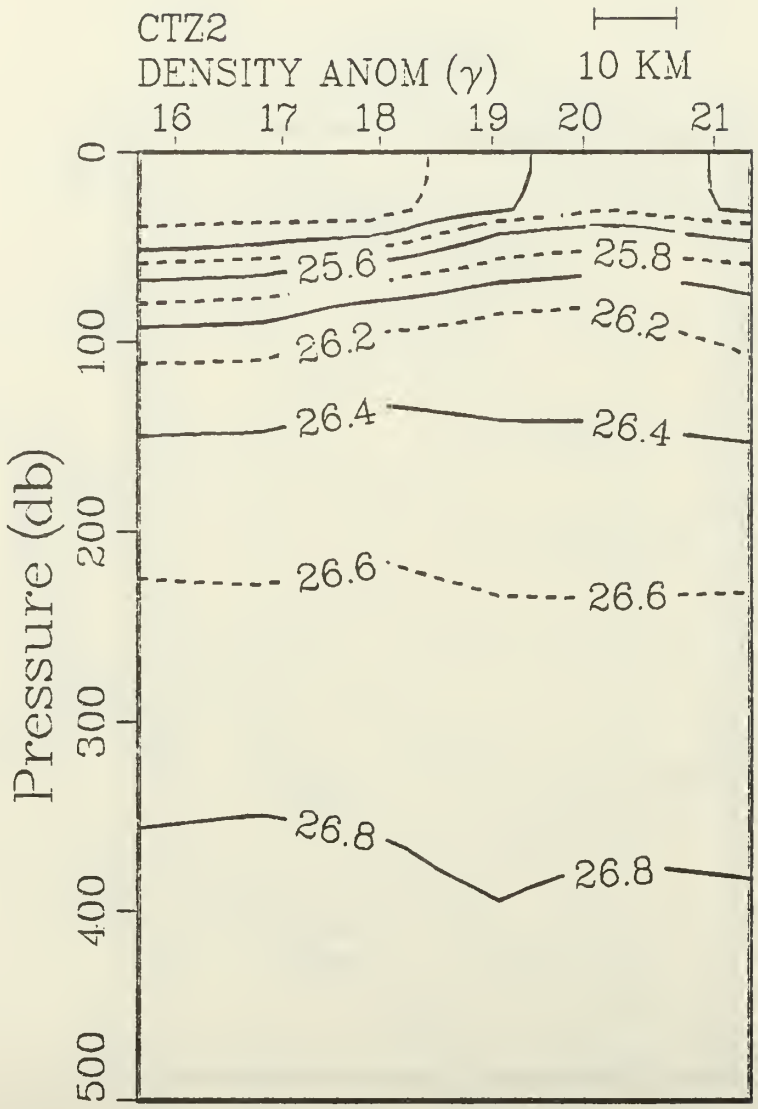

CTZ2
DENSITY ANOM (γ)
10 KM
16
17
18
19
20
21
0
100
200
300
400
500
Pressure (db)
25.6
25.8
26.2
26.2
26.4
26.4
26.6
26.6
26.8
26.8

Figure 20c.

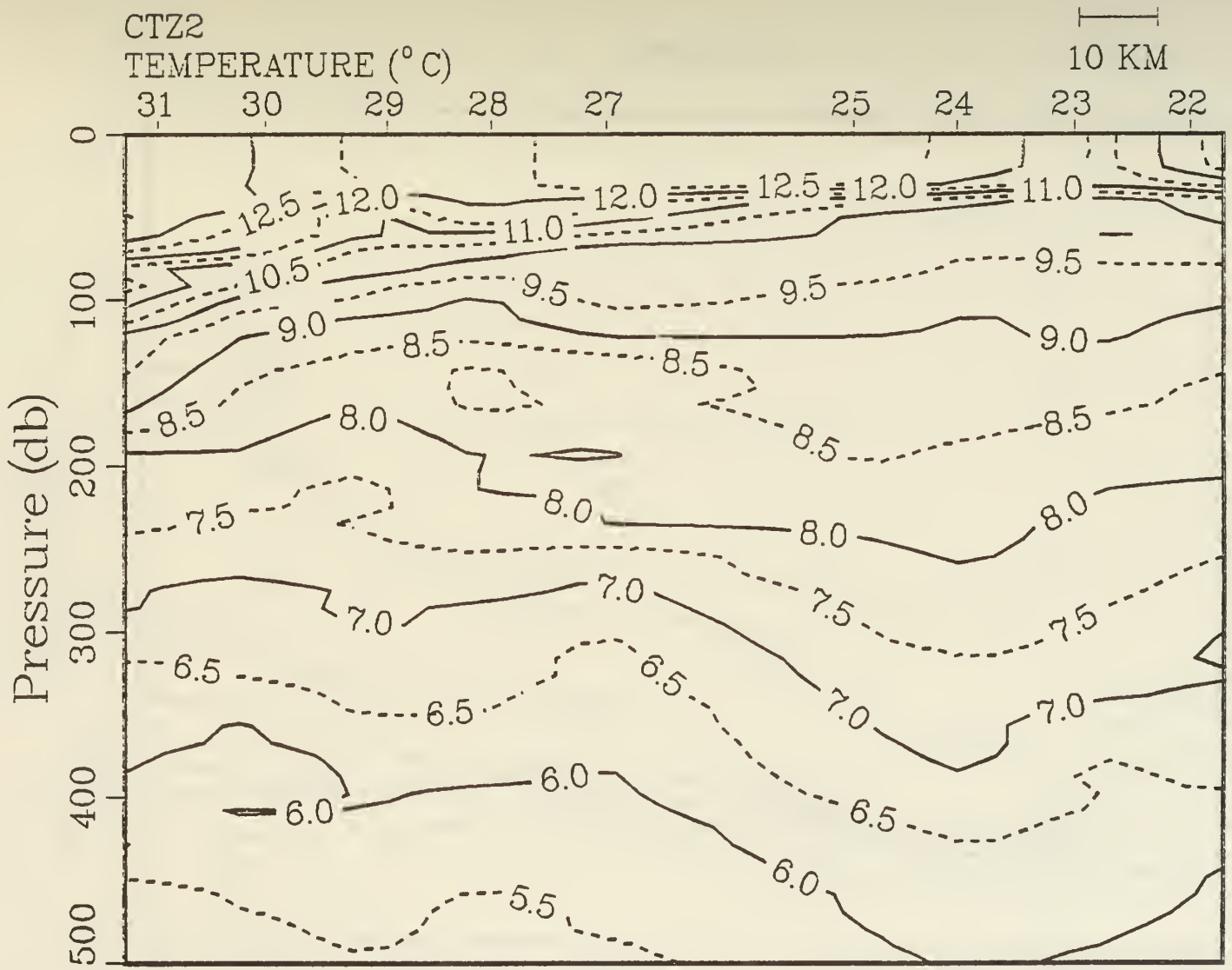


Figure 21. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 22-25 and 27-31 of part I.

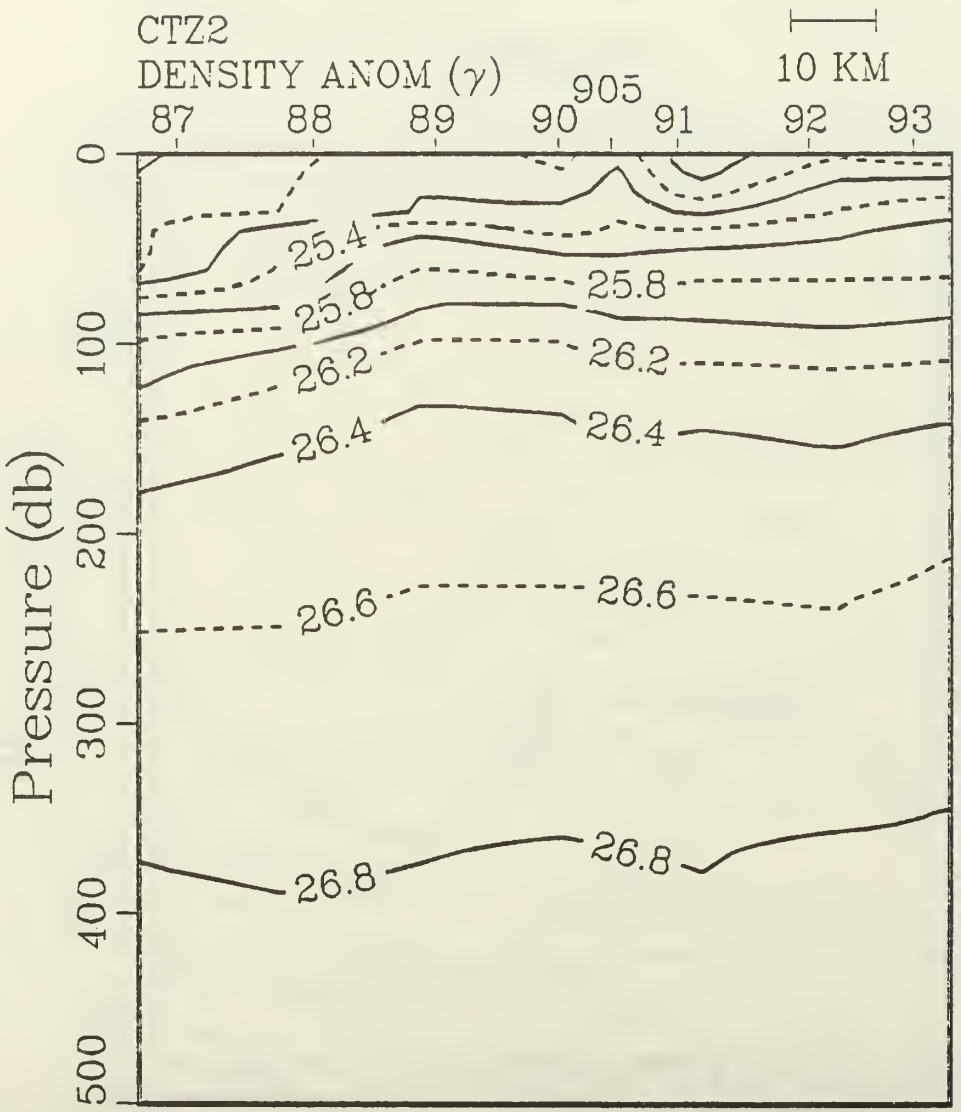

CTZ2
DENSITY ANOM (γ)
905
10 KM
87
88
89
90
91
92
93
0
100
200
300
400
500
Pressure (db)
25.4
25.8
26.2
26.4
26.6
26.8

Figure 30c.

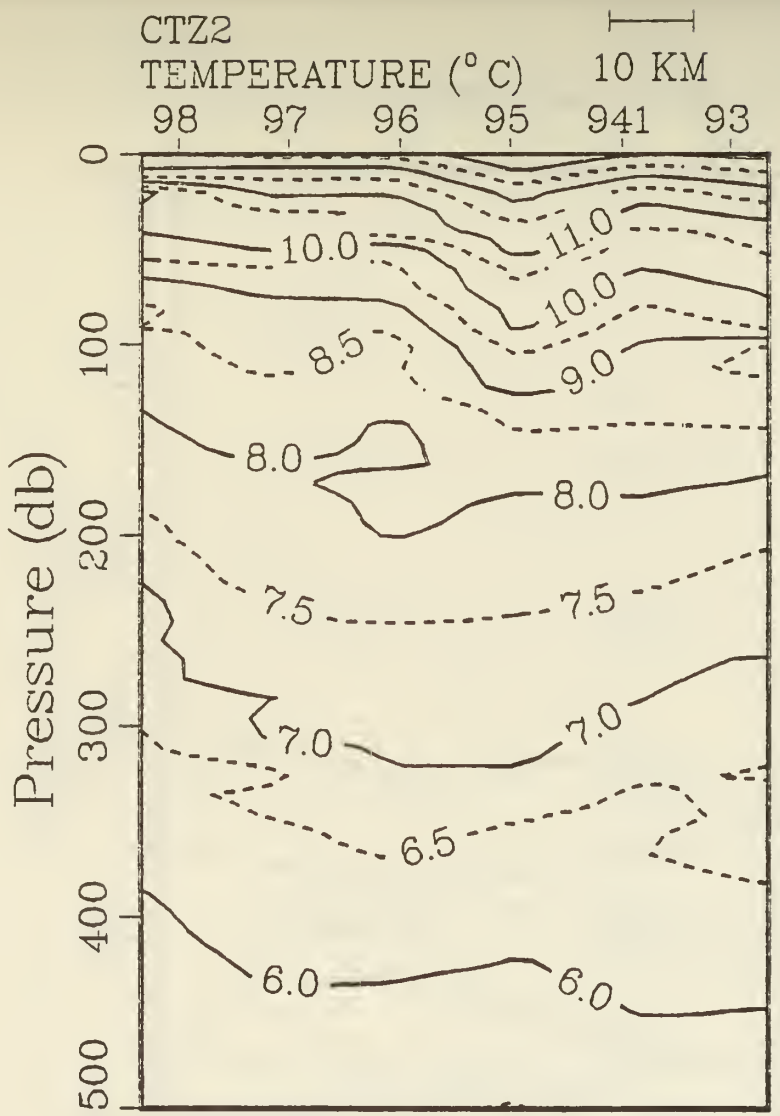


Figure 31. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 93, 941, and 95-98 of part III.

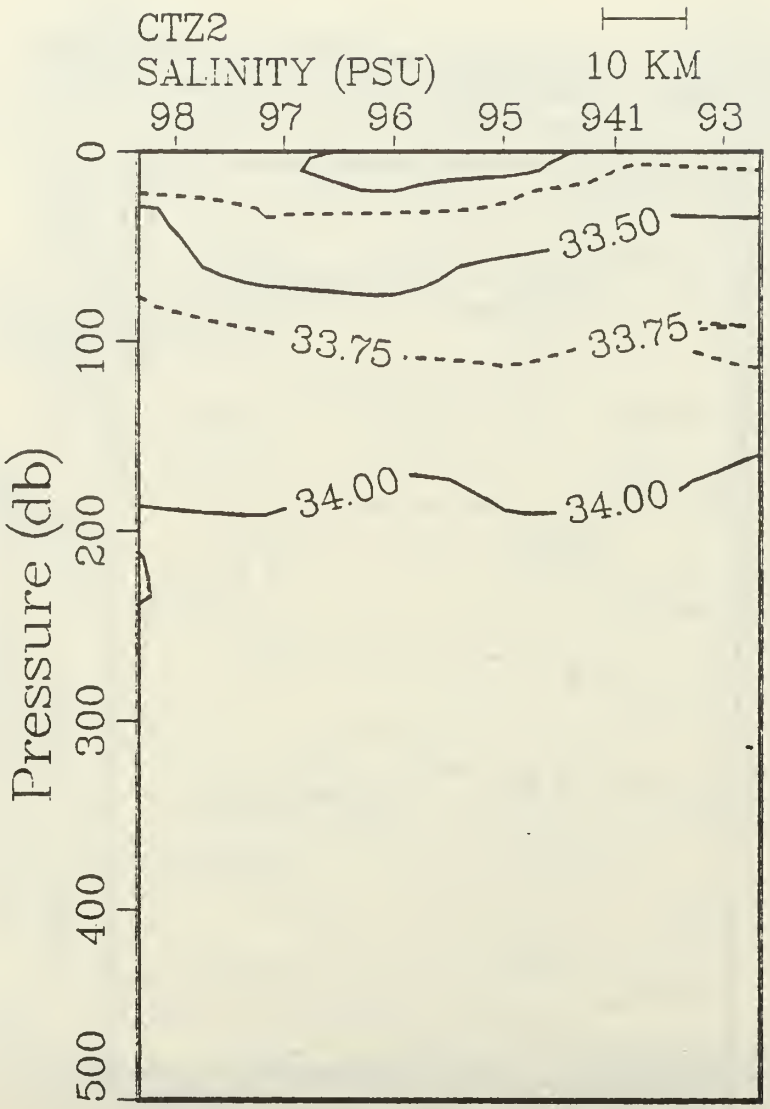

CTZ2
SALINITY (PSU)
10 KM
98
97
96
95
941
93
0
100
200
300
400
500
Pressure (db)
33.50
33.75
33.75
34.00
34.00

Figure 31b.

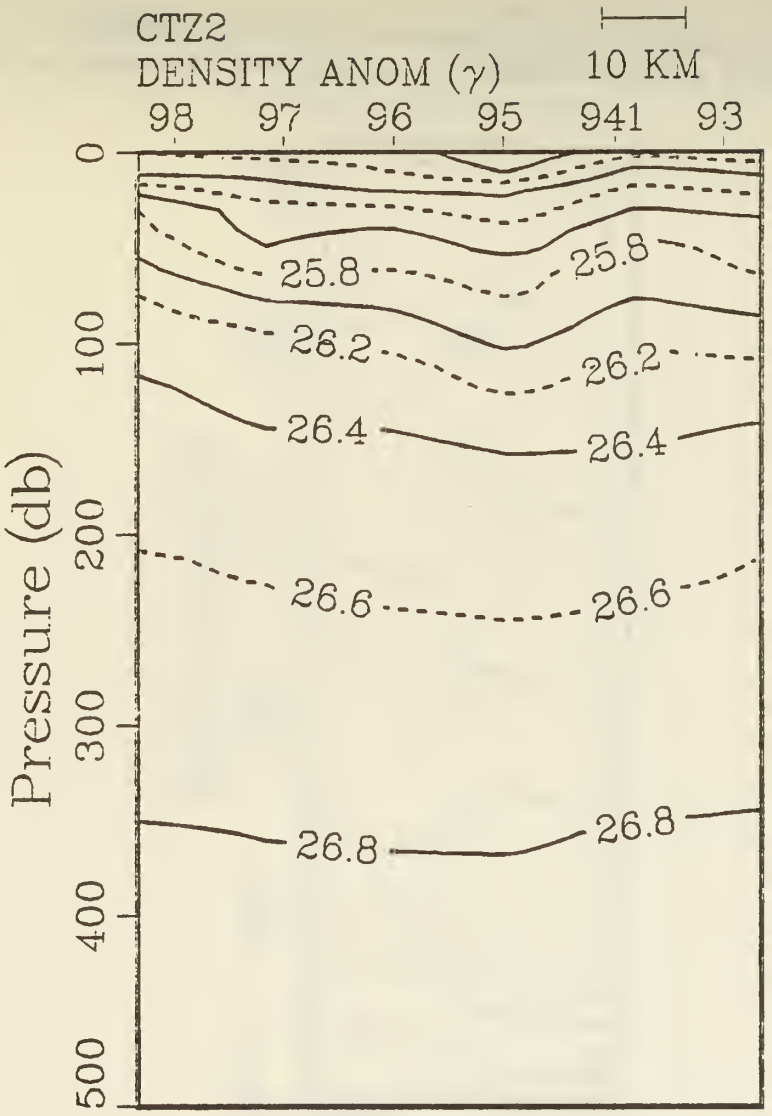

CTZ2
DENSITY ANOM (γ)
10 KM
98
97
96
95
941
93
0
100
200
300
400
500
Pressure (db)
25.8
25.8
26.2
26.2
26.4
26.4
26.6
26.6
26.8
26.8

Figure 31c.

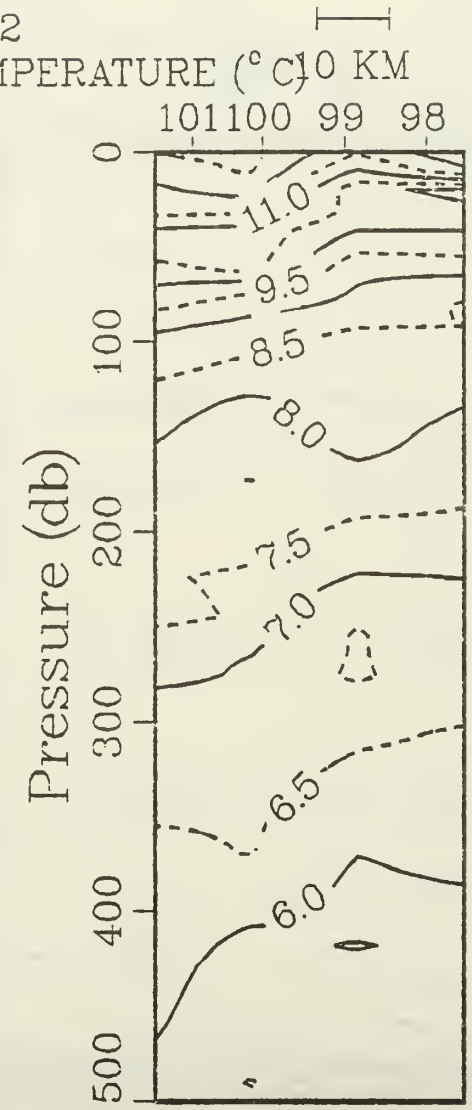


Figure 32. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 98-101 of part III.

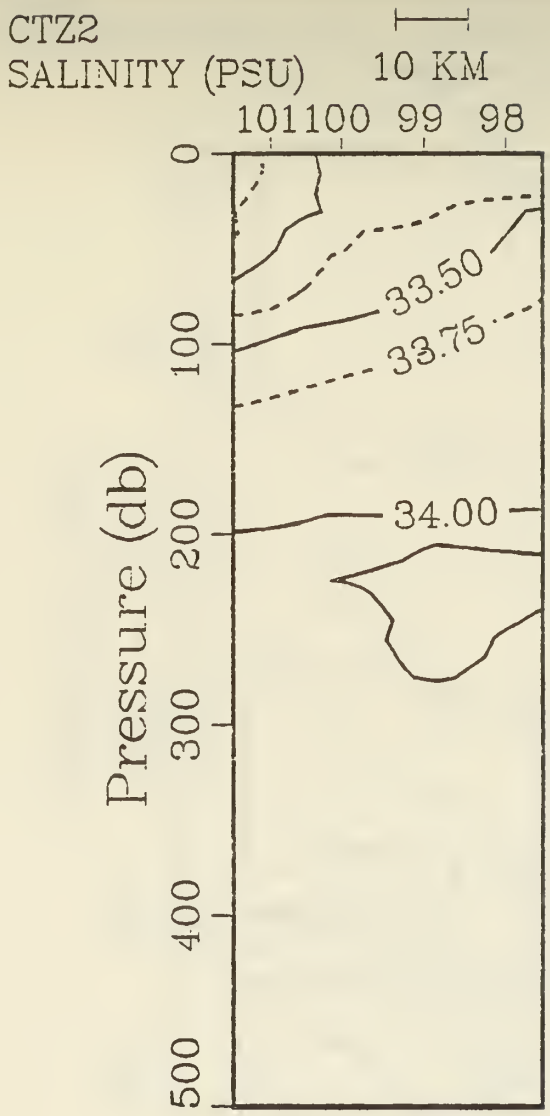

CTZ2
SALINITY (PSU)
10 KM
101 100 99 98
0
100
200
300
400
500
Pressure (db)
33.50
33.75
34.00

Figure 32b.

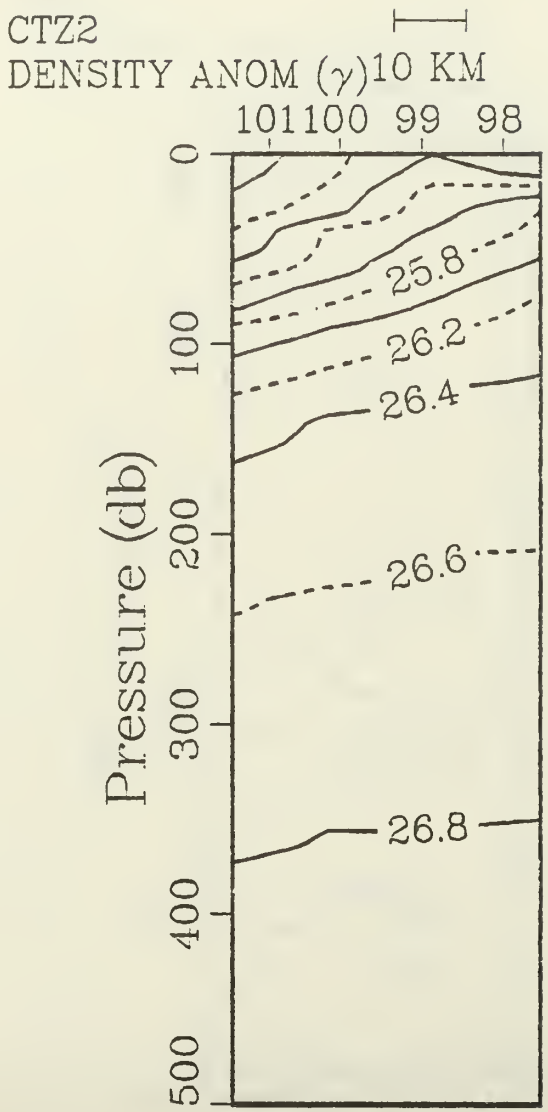

CTZ2
DENSITY ANOM (γ)
10 KM
101
100
99
98
0
100
200
300
400
500
Pressure (db)
25.8
26.2
26.4
26.6
26.8

Figure 32c.

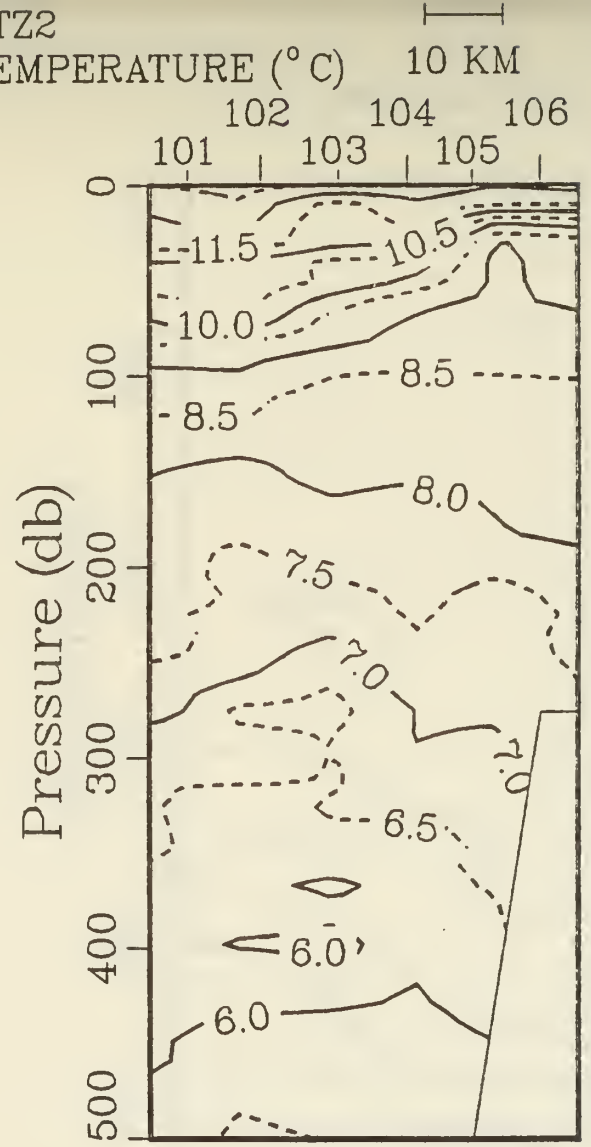


Figure 33. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 101-106 of part III.

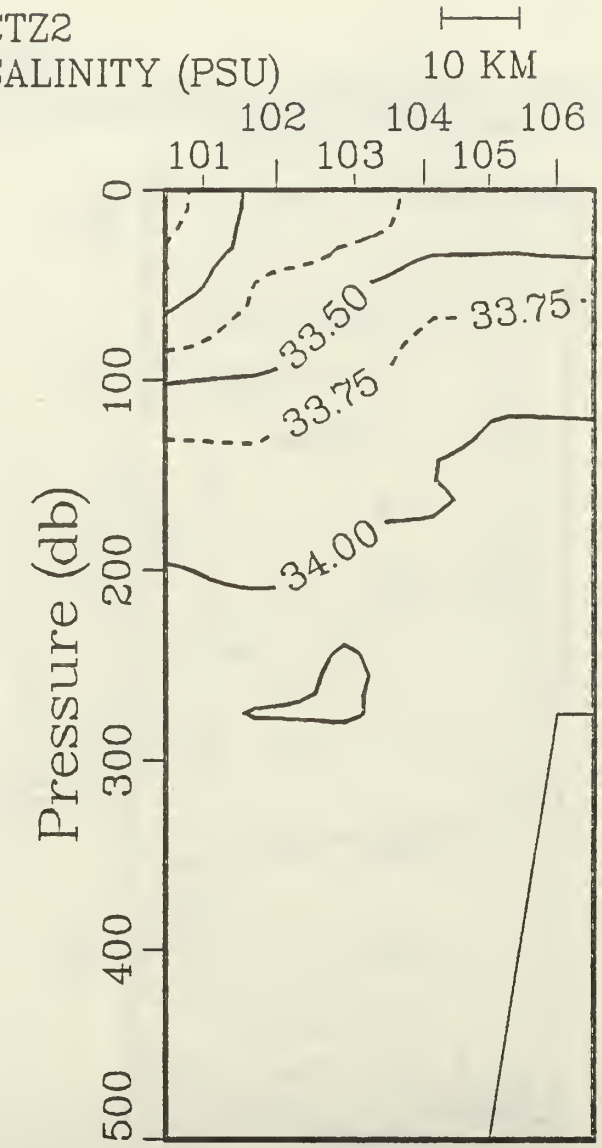

CTZ2
SALINITY (PSU)
10 KM
101
102
103
104
105
106
0
100
200
300
400
500
Pressure (db)
33.50
33.75
33.75
34.00

Figure 33b.

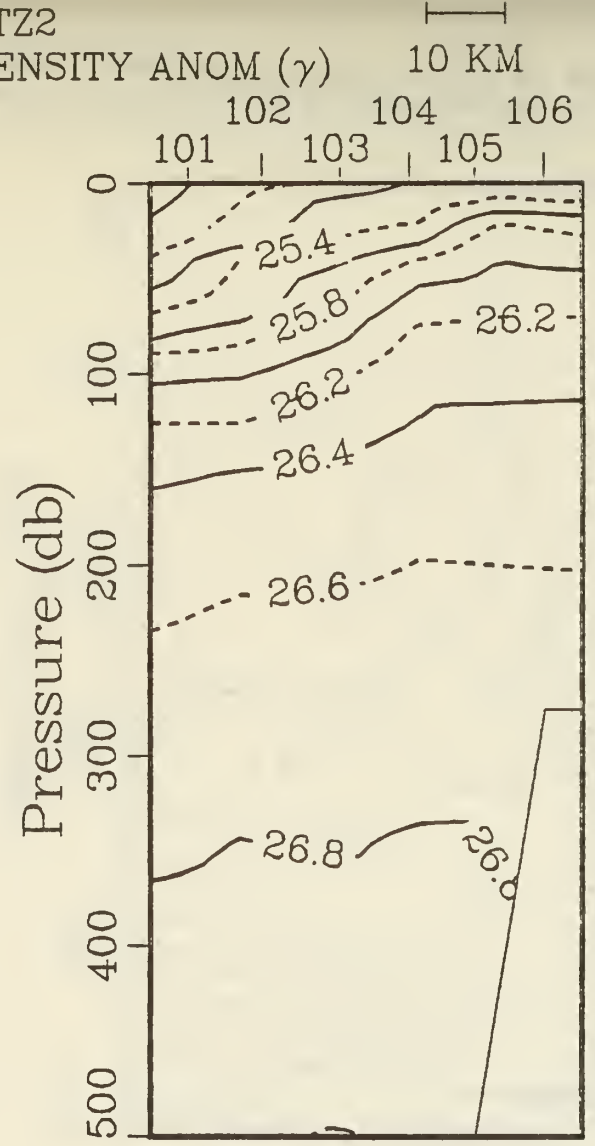

CTZ2
DENSITY ANOM (γ)
10 KM
101
102
103
104
105
106
0
100
200
300
400
500
Pressure (db)
25.4
25.8
26.2
26.2
26.4
26.6
26.8
26.9

Figure 33c.

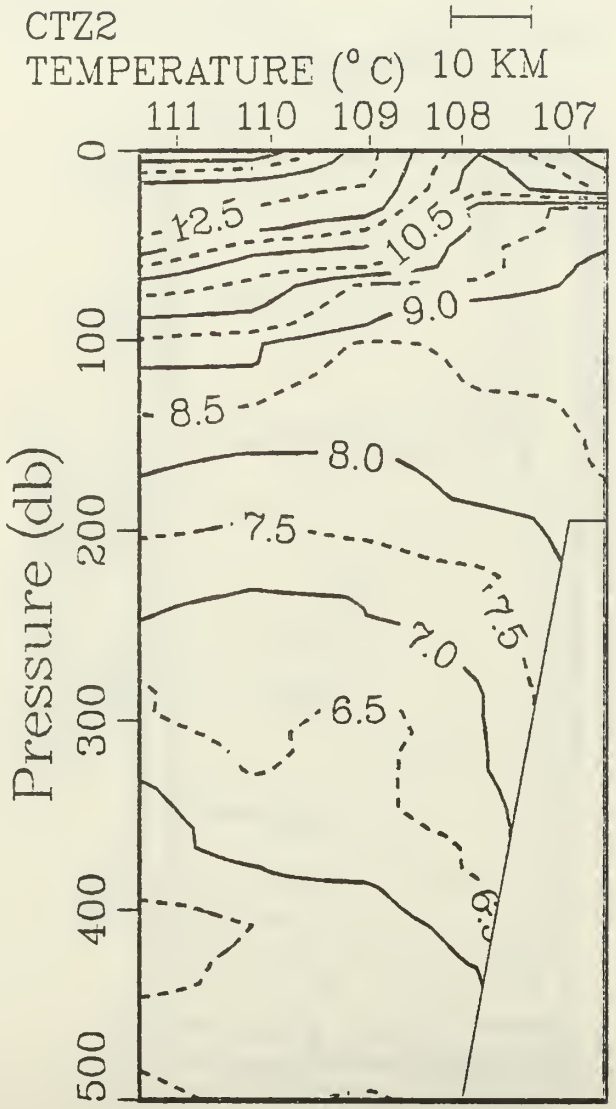


Figure 34. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 107-111 of part III.

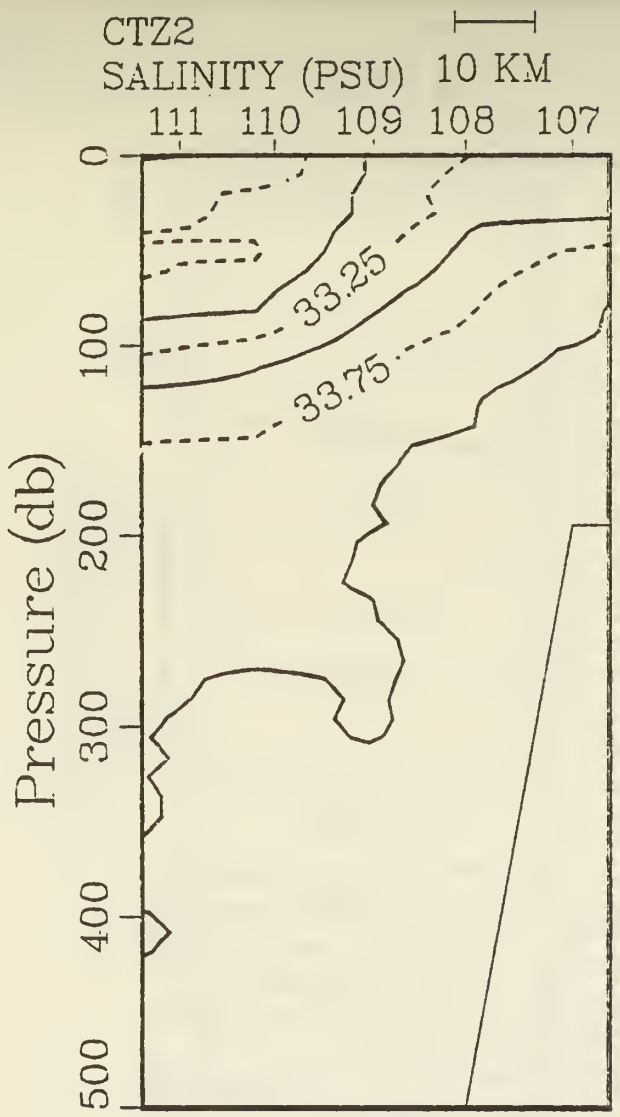

CTZ2
SALINITY (PSU)
10 KM
111
110
109
108
107
0
100
200
300
400
500
Pressure (db)
33.25
33.75

Figure 34b.

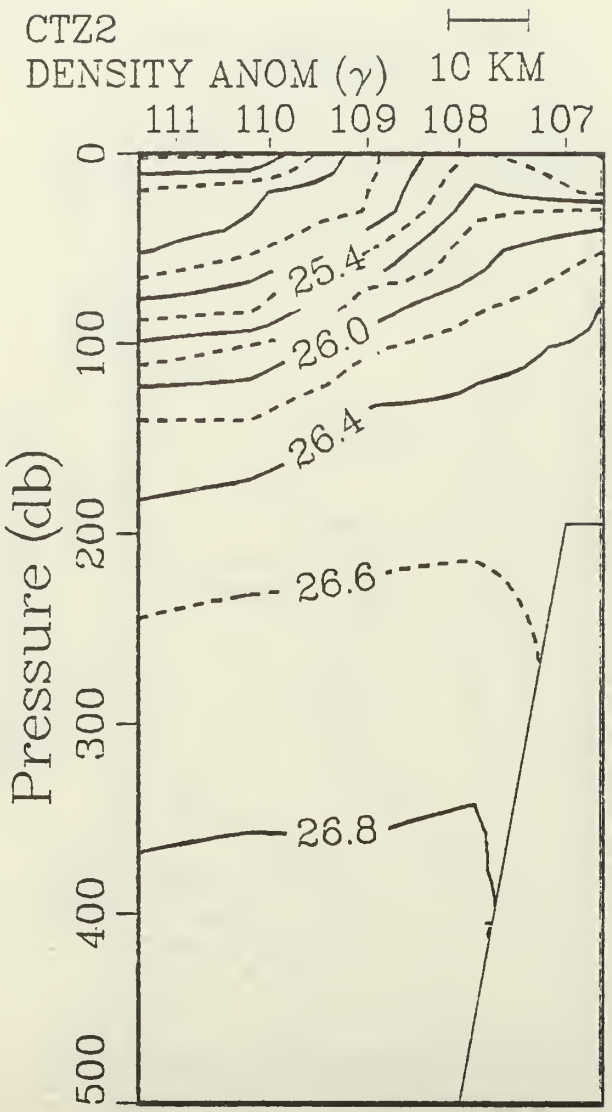

CTZ2
DENSITY ANOM (γ)
10 KM
111
110
109
108
107
0
100
200
300
400
500
Pressure (db)
25.4
26.0
26.4
26.6
26.8

Figure 34c.

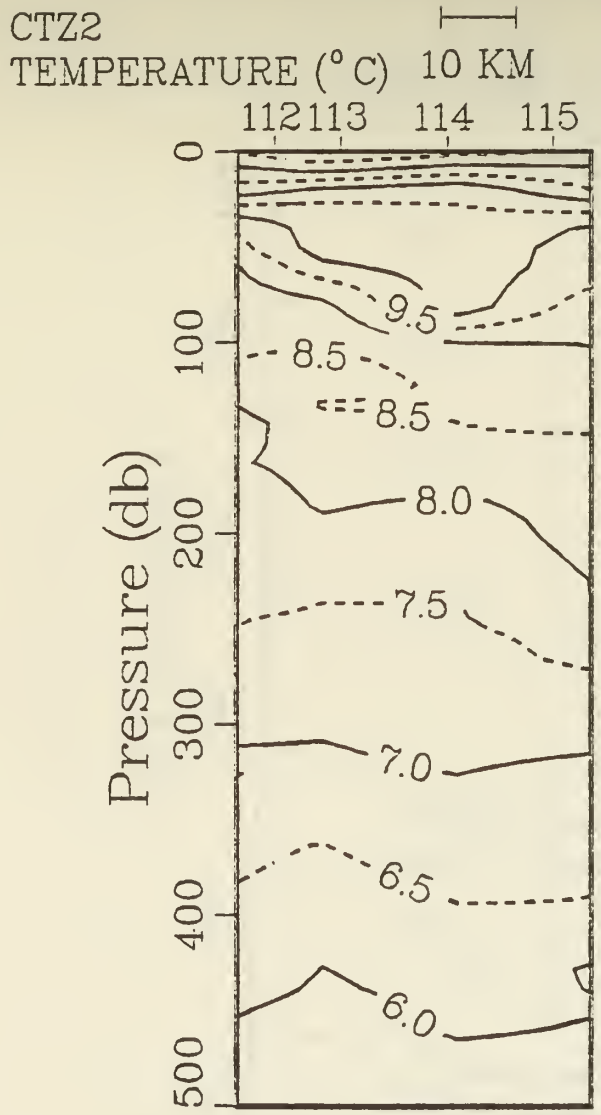


Figure 35. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 112-115 of part III.

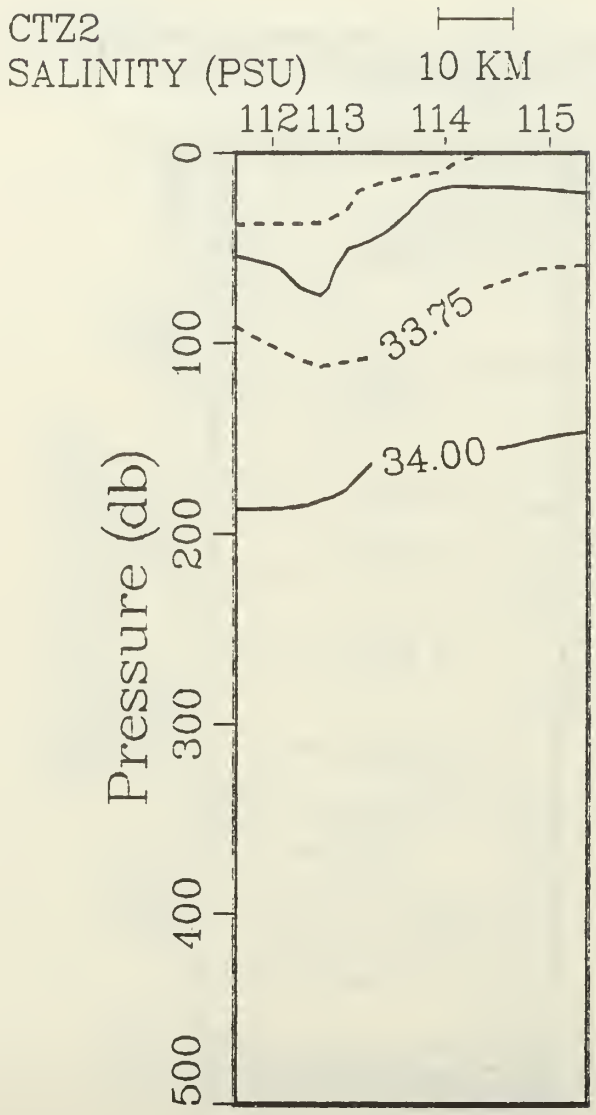

CTZ2
SALINITY (PSU)
10 KM
112
113
114
115
0
100
200
300
400
500
Pressure (db)
33.75
34.00

Figure 35b.

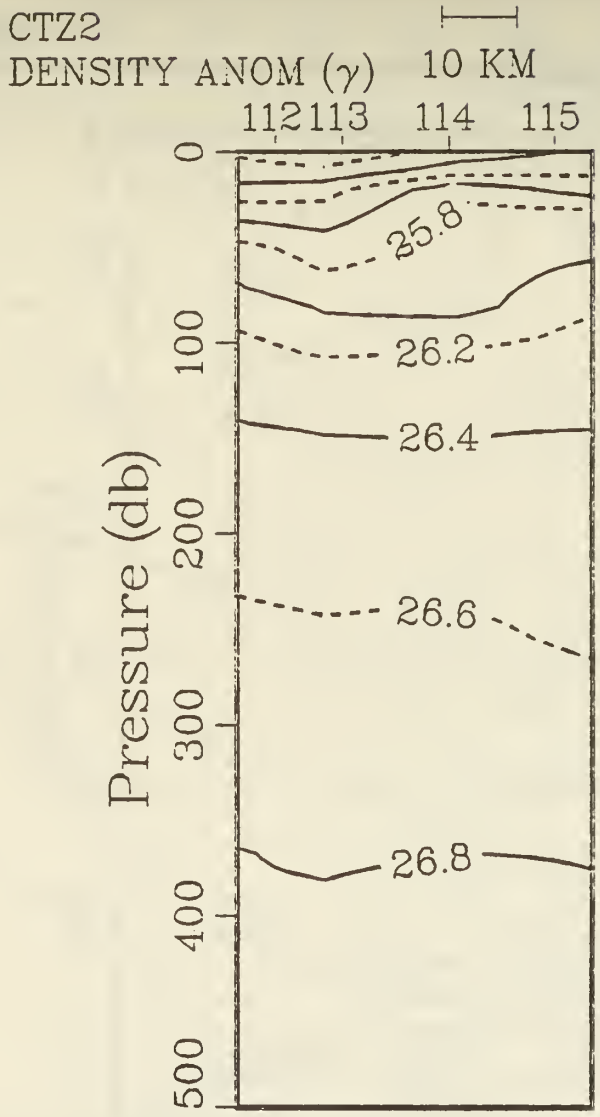

CTZ2
DENSITY ANOM (γ)
10 KM
112
113
114
115
0
100
200
300
400
500
Pressure (db)
25.8
26.2
26.4
26.6
26.8

Figure 35c.

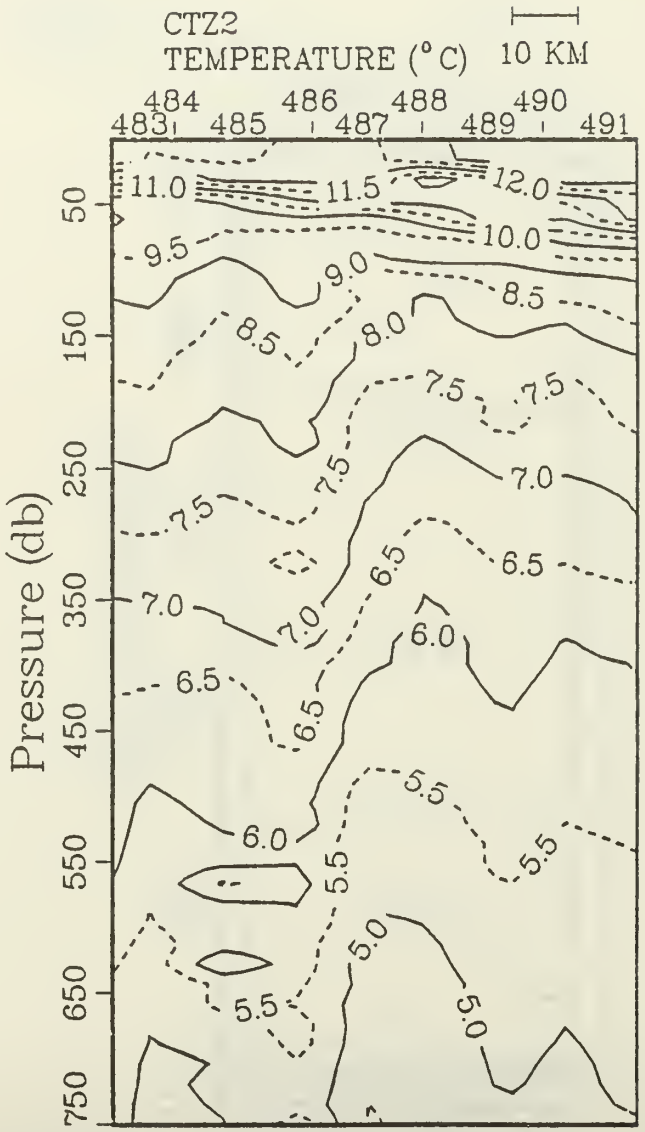


Figure 36. Vertical section of temperature for XBT stations 483-491 of cruise CTZ2.

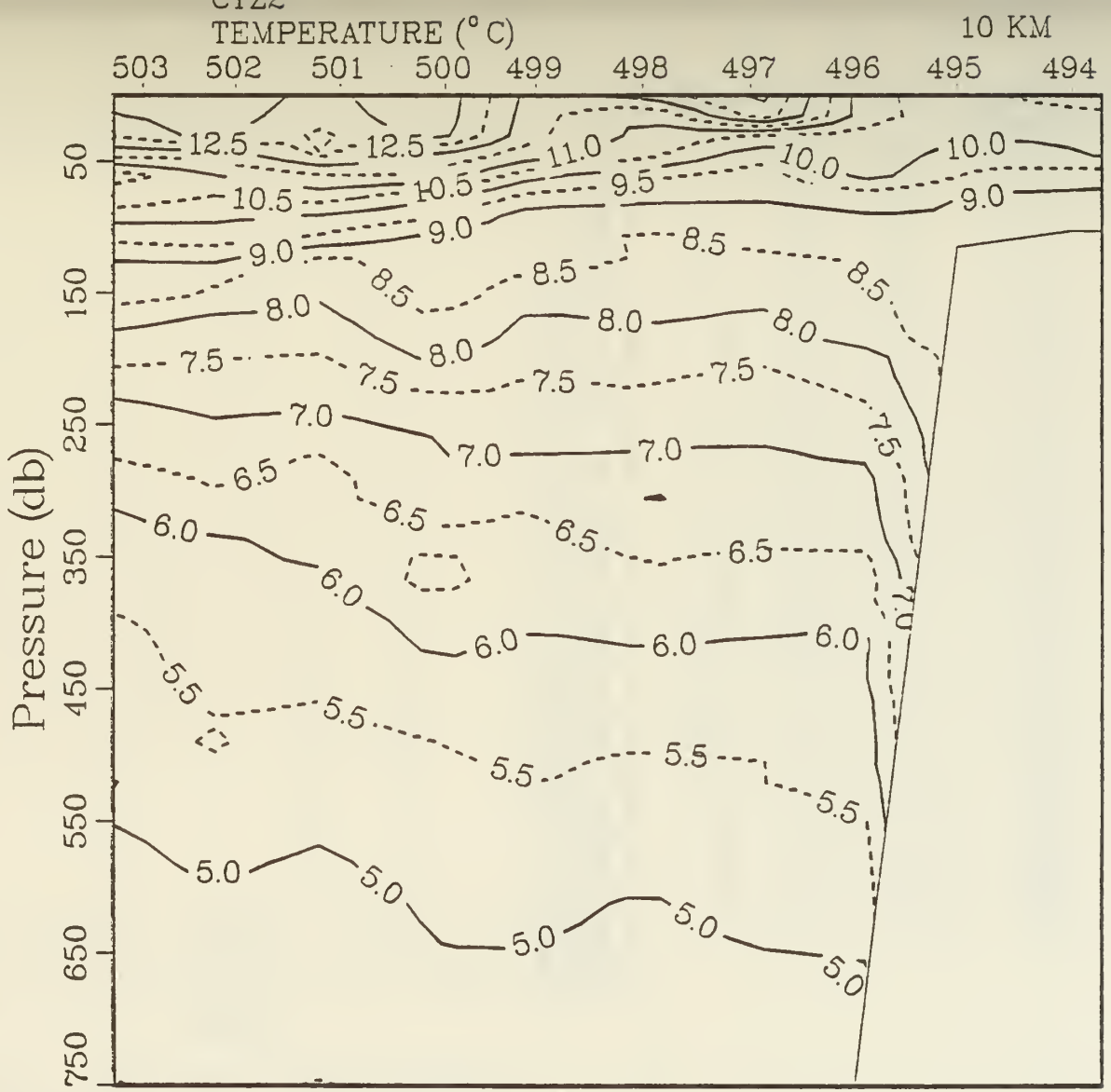
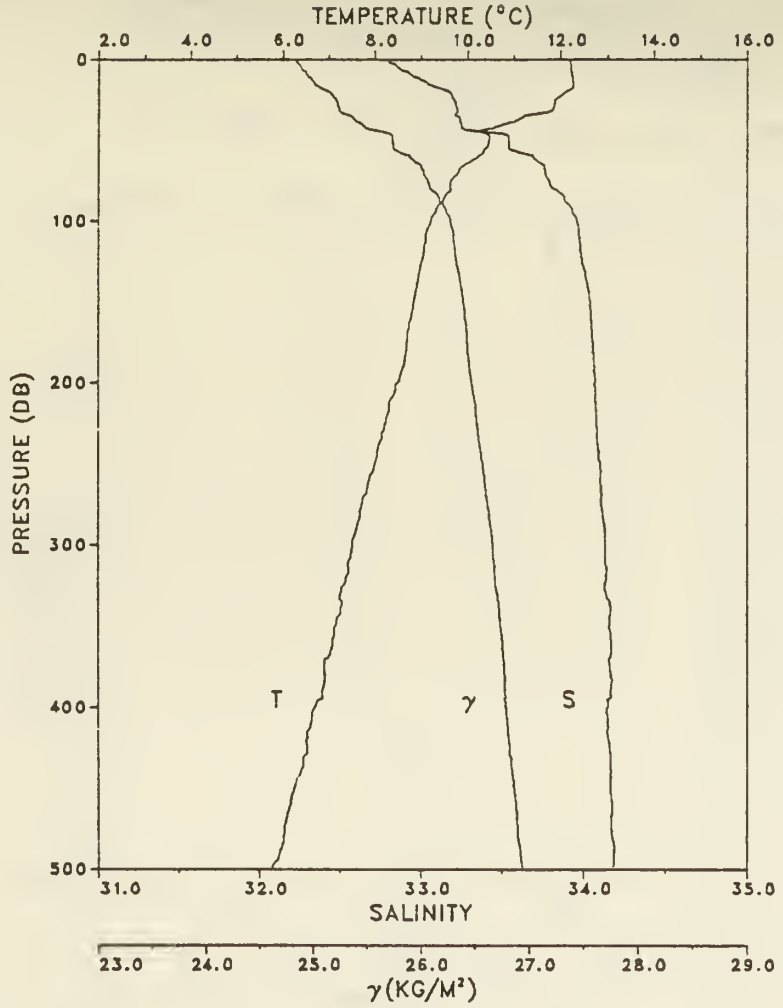


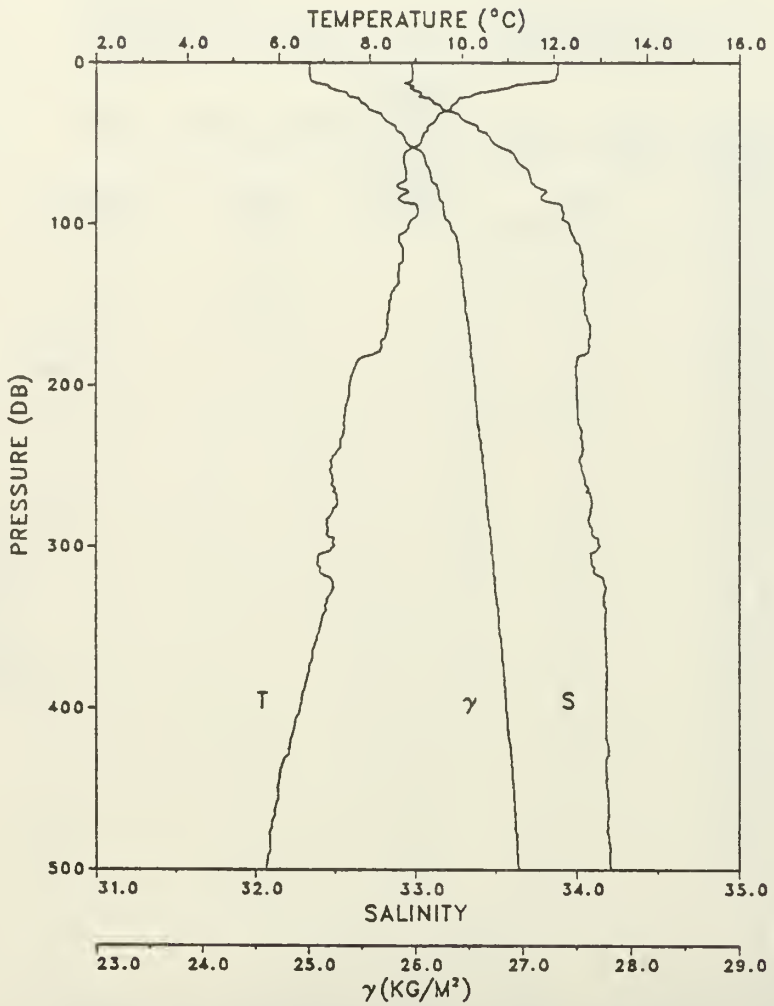
Figure 37. Vertical section of temperature for XBT stations 494-503 of cruise CTZ2.

Figure 38. Listing of temperature, salinity, density anomaly, specific volume anomaly, and dynamic height at selected pressures and profiles of temperature (T), salinity (PSU), and density anomaly (γ) for all CTD stations of cruise CTZ2.



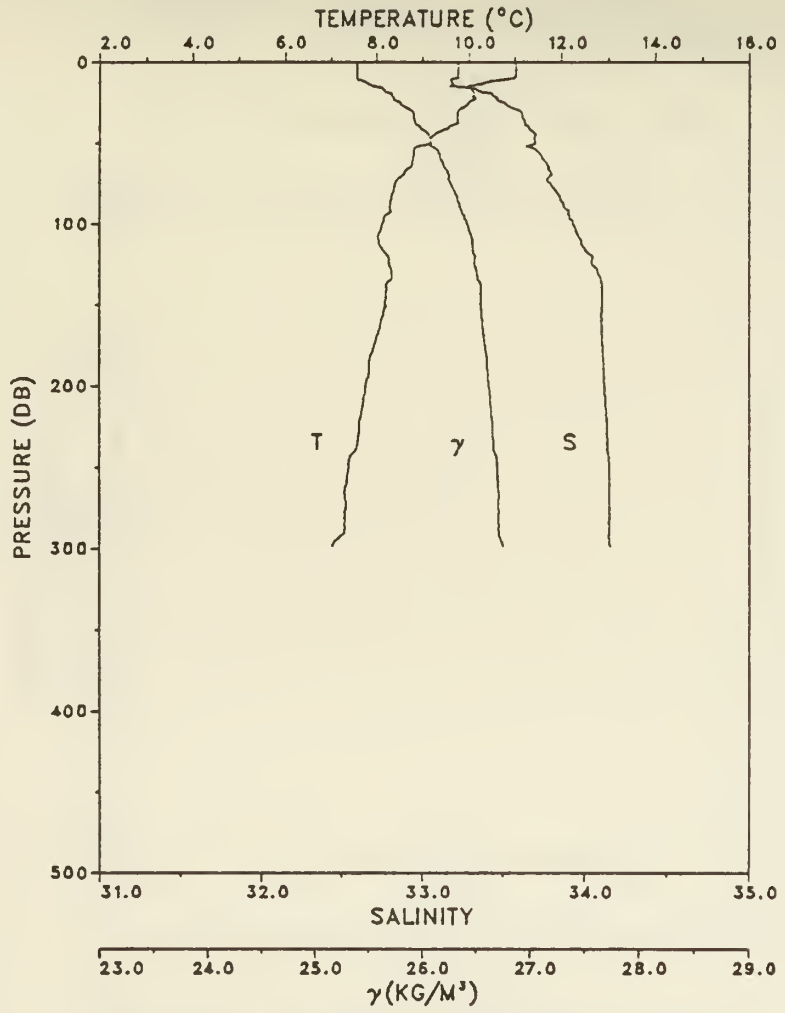
STATION: 1 LAT: 38 30.1 N LON: 123 59.2 W
DATE: 6/16/87 TIME: 0800Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.209	32.796	24.839	310.1	0.000
5	12.216	32.857	24.885	305.8	0.012
10	12.239	32.940	24.945	300.2	0.027
15	12.274	33.037	25.014	293.8	0.042
20	12.098	33.173	25.152	280.7	0.057
25	11.883	33.202	25.215	274.9	0.071
30	11.846	33.220	25.236	273.0	0.084
35	11.247	33.213	25.340	263.1	0.098
40	10.821	33.249	25.444	253.3	0.111
45	10.247	33.361	25.631	235.7	0.123
50	10.456	33.538	25.733	226.1	0.134
60	10.226	33.691	25.892	211.2	0.156
70	9.795	33.763	26.021	199.1	0.177
80	9.639	33.814	26.086	193.0	0.196
90	9.382	33.905	26.200	182.4	0.215
100	9.199	33.958	26.271	175.9	0.233
125	9.016	33.989	26.324	171.2	0.276
150	8.832	34.036	26.390	165.4	0.318
175	8.691	34.055	26.427	162.3	0.359
200	8.497	34.066	26.466	159.0	0.400
225	8.222	34.077	26.516	154.5	0.439
250	7.990	34.102	26.570	149.7	0.477
275	7.721	34.108	26.614	145.8	0.514
300	7.513	34.131	26.653	141.5	0.550
325	7.331	34.133	26.690	139.2	0.585
350	7.134	34.153	26.733	135.4	0.619
375	6.922	34.162	26.770	132.2	0.653
400	6.700	34.145	26.786	130.8	0.685
425	6.540	34.160	26.819	127.8	0.718
450	6.254	34.167	26.862	123.9	0.749
475	6.043	34.172	26.893	121.1	0.780
499	5.764	34.182	26.936	117.0	0.808



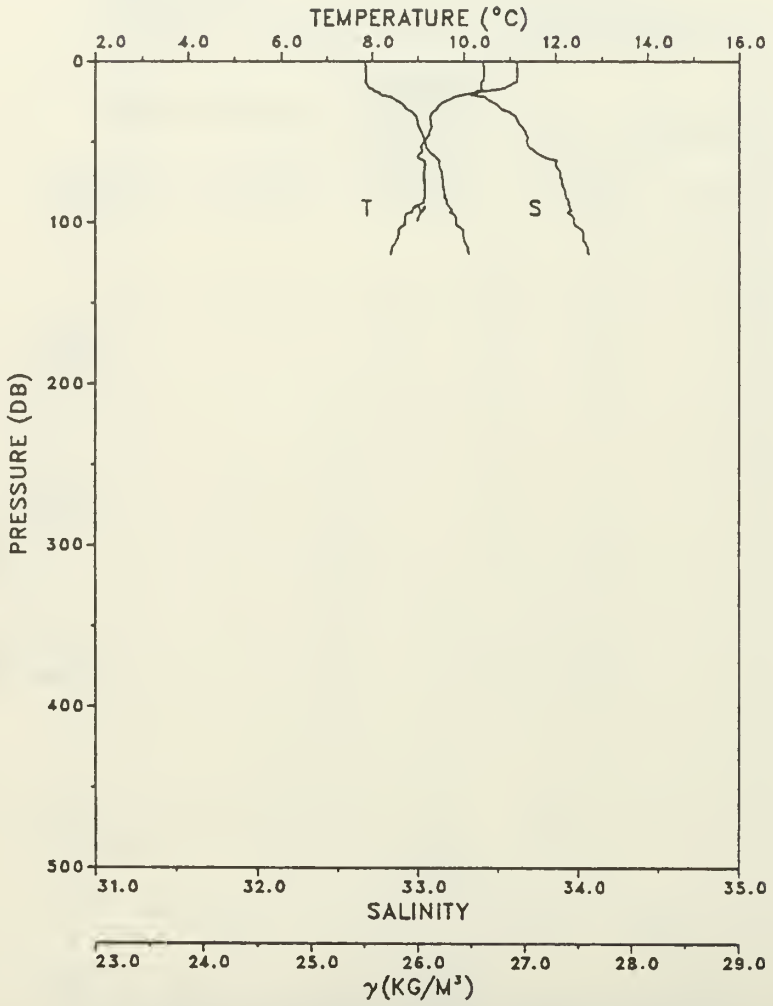
STATION: 2 LAT: 38 38.7 N LON: 123 49.2 W
DATE: 6/16/87 TIME: 1100Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.080	32.975	25.002	294.6	0.000
5	12.083	32.980	25.005	294.4	0.012
10	12.042	32.980	25.013	293.7	0.026
15	11.084	32.988	25.195	276.6	0.041
20	10.288	33.032	25.367	260.2	0.054
25	9.865	33.110	25.499	247.8	0.067
30	9.648	33.195	25.601	238.1	0.079
35	9.435	33.287	25.708	228.1	0.091
40	9.255	33.383	25.812	218.3	0.102
45	9.158	33.446	25.877	212.2	0.113
50	9.091	33.484	25.917	208.5	0.123
60	8.743	33.626	26.083	192.9	0.143
70	8.783	33.707	26.140	187.6	0.162
80	8.845	33.813	26.213	180.9	0.181
90	9.032	33.905	26.256	177.0	0.199
100	8.846	33.951	26.321	171.0	0.216
125	8.639	34.029	26.415	162.5	0.258
150	8.422	34.046	26.461	158.5	0.298
175	8.251	34.075	26.510	154.3	0.337
200	7.557	33.999	26.552	150.4	0.375
225	7.443	34.018	26.584	147.8	0.412
250	7.179	34.029	26.629	143.7	0.449
275	7.274	34.089	26.663	140.9	0.484
300	7.210	34.135	26.708	137.0	0.519
325	7.216	34.179	26.742	134.2	0.553
350	6.903	34.172	26.780	130.8	0.586
375	6.674	34.183	26.820	127.2	0.618
400	6.473	34.181	26.845	125.1	0.650
425	6.236	34.195	26.887	121.2	0.681
450	5.984	34.187	26.912	118.9	0.711
475	5.844	34.189	26.931	117.2	0.740
499	5.732	34.207	26.960	114.8	0.768



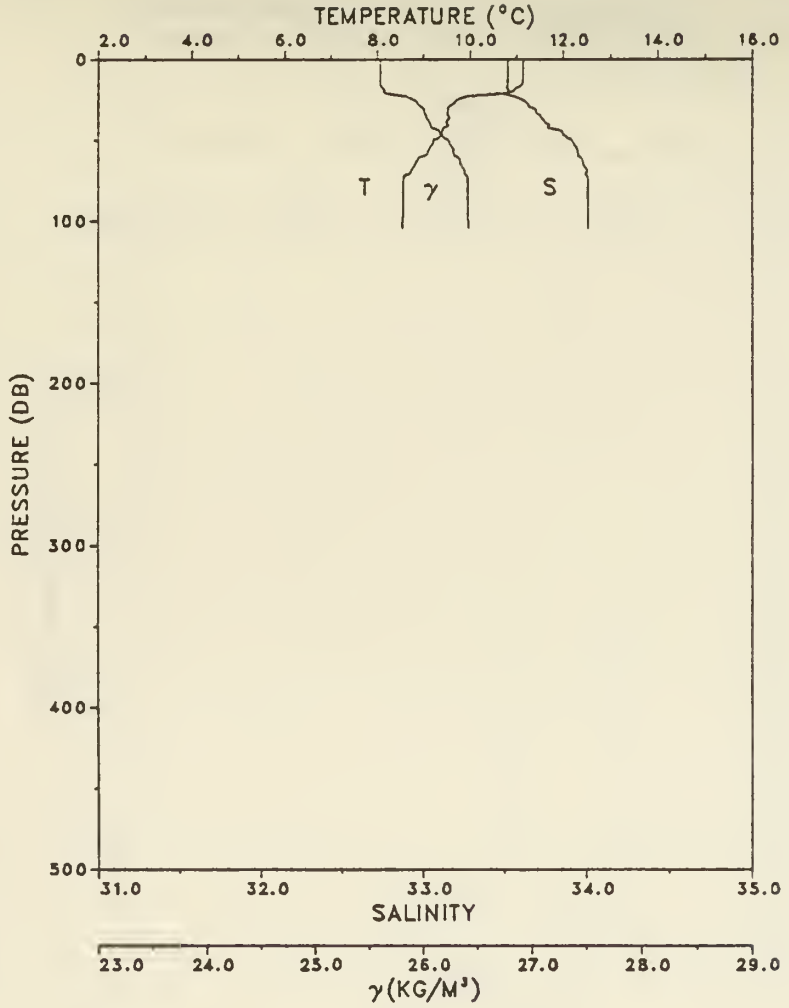
STATION: 3 LAT: 38 47.3 N LON: 123 50.5 W
DATE: 6/16/87 TIME: 1248Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.017	33.219	25.386	258.0	0.000
5	11.015	33.218	25.386	258.2	0.010
10	10.983	33.212	25.387	258.2	0.023
15	9.984	33.166	25.523	245.3	0.036
20	10.114	33.432	25.709	227.7	0.048
25	9.995	33.510	25.790	220.2	0.059
30	9.769	33.597	25.895	210.2	0.070
35	9.754	33.619	25.915	208.4	0.080
40	9.565	33.657	25.976	202.7	0.090
45	9.263	33.697	26.056	195.2	0.100
50	9.175	33.697	26.070	193.9	0.110
60	8.787	33.740	26.165	185.1	0.129
70	8.558	33.795	26.244	177.8	0.147
80	8.362	33.827	26.299	172.7	0.165
90	8.283	33.877	26.350	168.0	0.182
100	8.123	33.930	26.416	161.9	0.198
125	8.274	34.047	26.485	155.8	0.238
150	8.191	34.106	26.543	150.7	0.276
175	7.950	34.110	26.583	147.3	0.313
200	7.766	34.120	26.617	144.3	0.350
225	7.619	34.136	26.651	141.5	0.386
250	7.390	34.148	26.693	137.8	0.421
275	7.327	34.151	26.705	137.1	0.455
299	7.030	34.153	26.748	133.2	0.487



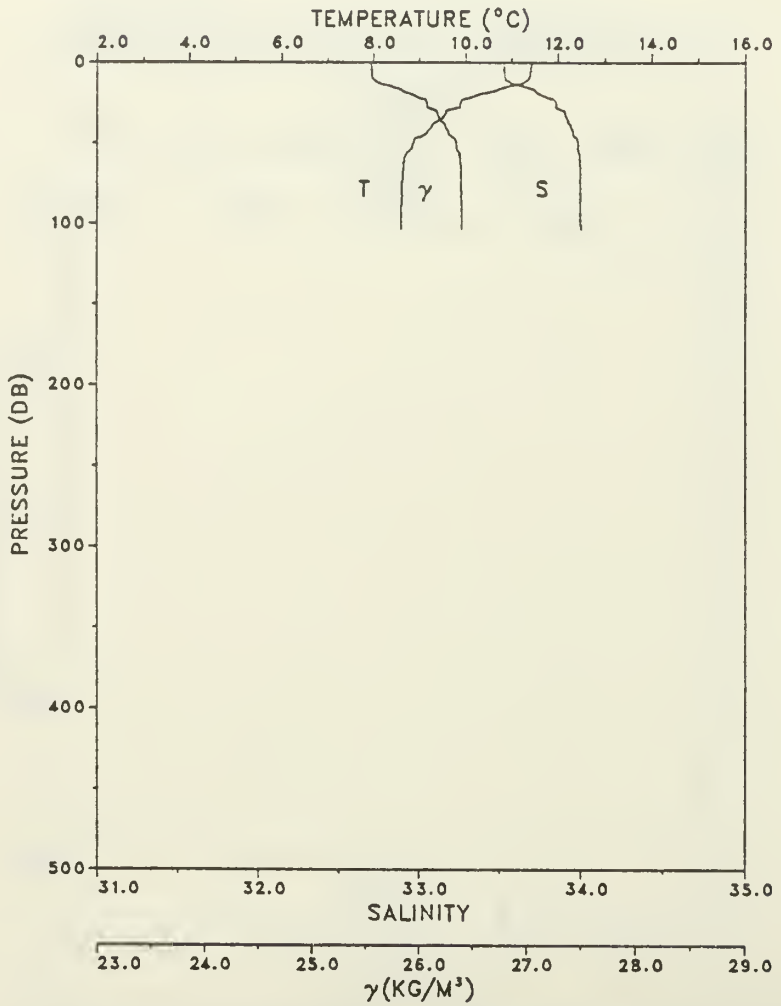
STATION: 4 LAT: 38 53.3 N LON: 123 50.6 W
DATE: 6/16/87 TIME: 1406Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.157	33.405	25.506	246.7	0.000
5	11.158	33.409	25.509	246.5	0.010
10	11.158	33.409	25.509	246.6	0.022
15	11.025	33.396	25.523	245.4	0.034
20	10.207	33.367	25.642	234.1	0.046
25	9.574	33.457	25.818	217.4	0.058
30	9.402	33.524	25.899	209.9	0.068
35	9.268	33.613	25.990	201.3	0.079
40	9.298	33.634	26.001	200.3	0.089
45	9.242	33.671	26.039	196.8	0.099
50	9.106	33.680	26.068	194.1	0.108
60	8.999	33.794	26.174	184.2	0.127
70	9.132	33.887	26.226	179.5	0.146
80	9.148	33.913	26.244	178.0	0.163
90	8.977	33.943	26.294	173.4	0.181
100	8.708	33.968	26.356	167.7	0.198
120	8.405	34.060	26.475	156.7	0.231



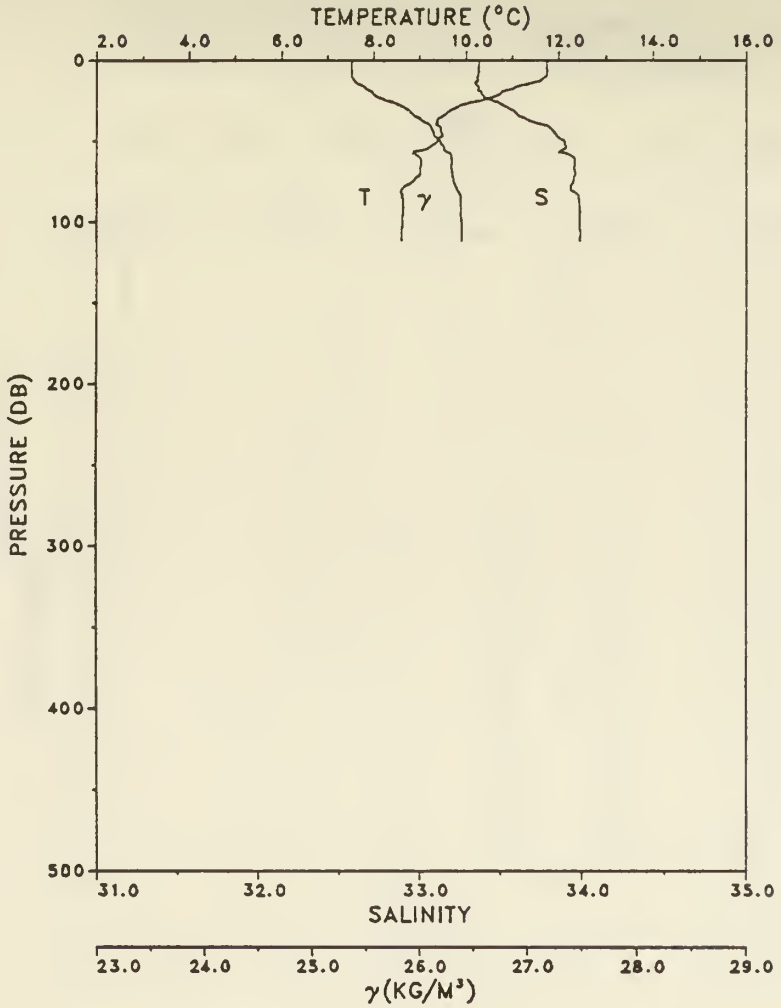
STATION: 5 LAT: 39 0.1 N LON: 123 51.3 W
DATE: 6/16/87 TIME: 1536Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.137	33.519	25.598	237.9	0.000
5	11.134	33.519	25.599	237.9	0.010
10	11.130	33.519	25.600	238.0	0.021
15	11.127	33.519	25.600	238.0	0.033
20	10.939	33.517	25.632	235.1	0.045
25	9.727	33.608	25.911	208.6	0.056
30	9.524	33.661	25.986	201.6	0.066
35	9.549	33.718	26.026	197.9	0.076
40	9.495	33.753	26.062	194.5	0.086
45	9.412	33.849	26.151	186.2	0.096
50	9.224	33.910	26.229	178.9	0.105
60	9.029	33.943	26.286	173.6	0.123
70	8.736	34.002	26.378	165.0	0.139
80	8.561	34.008	26.410	162.1	0.156
90	8.561	34.009	26.411	162.2	0.172
100	8.553	34.009	26.412	162.3	0.188
105	8.551	34.009	26.413	162.4	0.196



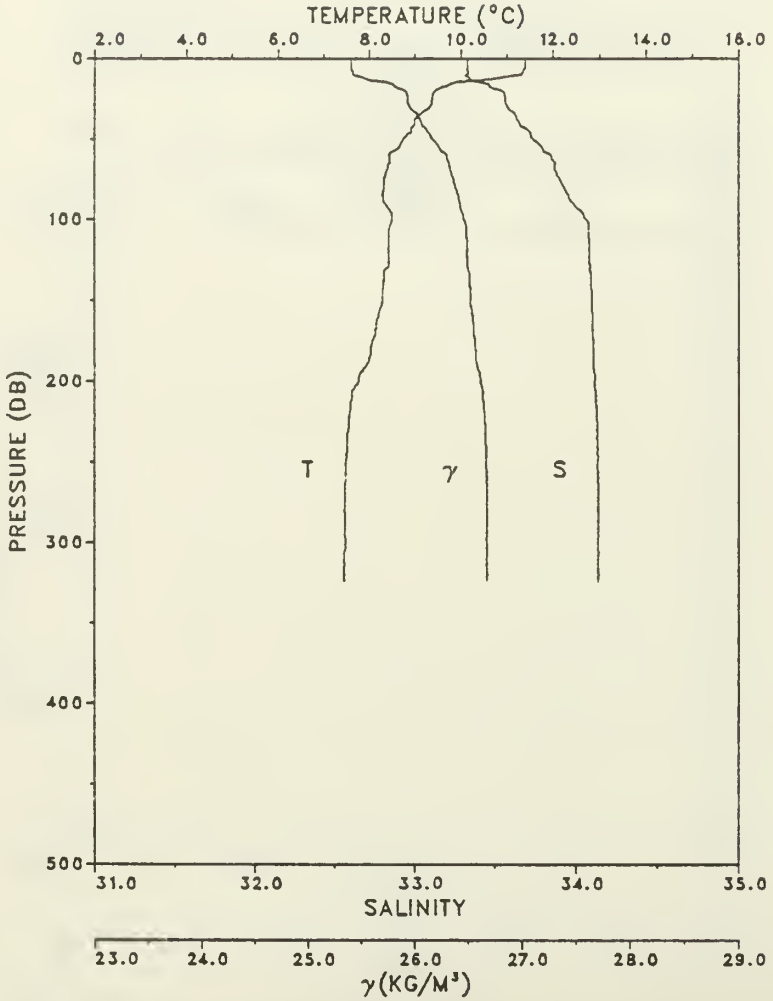
STATION: 6 LAT: 39 6.6 N LON: 123 51.8 W
DATE: 6/16/87 TIME: 1648Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.425	33.523	25.549	242.6	0.000
5	11.407	33.524	25.553	242.3	0.010
10	11.370	33.531	25.565	241.2	0.022
15	10.940	33.641	25.728	225.8	0.033
20	10.314	33.744	25.918	207.9	0.044
25	9.890	33.844	26.068	193.7	0.054
30	9.572	33.896	26.162	184.9	0.064
35	9.474	33.912	26.190	182.3	0.073
40	9.263	33.936	26.243	177.3	0.082
45	9.114	33.949	26.277	174.2	0.091
50	8.858	33.978	26.341	168.3	0.099
60	8.662	33.990	26.381	164.6	0.116
70	8.641	33.992	26.385	164.3	0.132
80	8.616	33.994	26.391	164.0	0.149
90	8.606	33.994	26.392	164.0	0.165
100	8.602	33.995	26.394	164.1	0.182
104	8.595	33.997	26.396	163.9	0.188



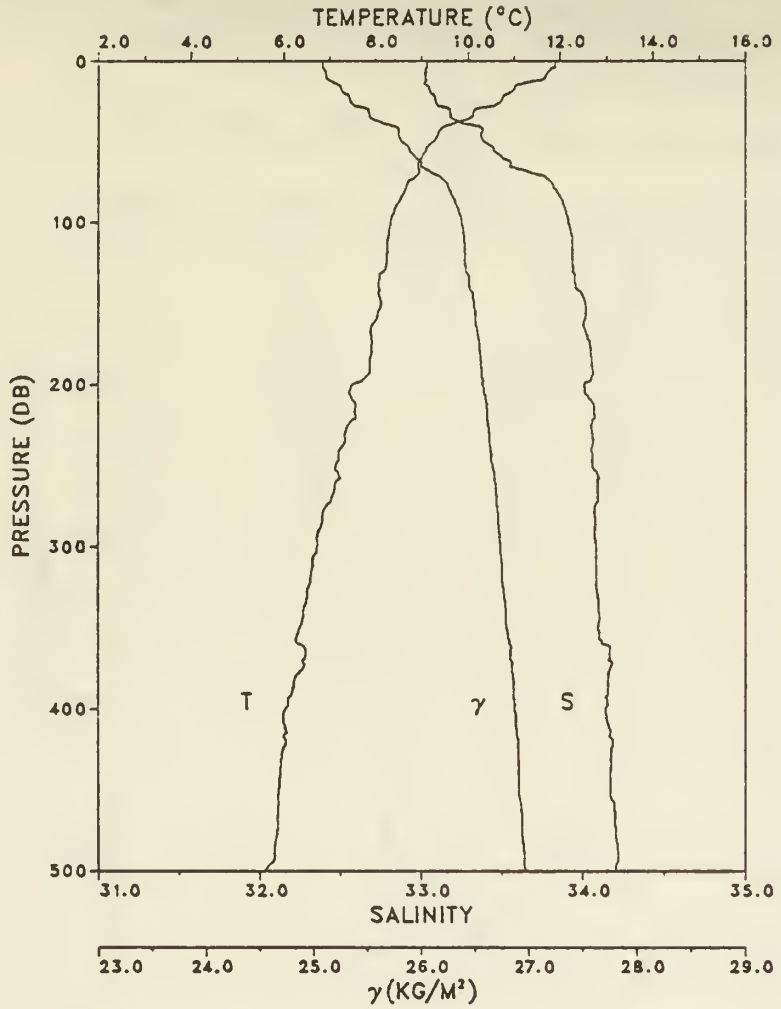
STATION: 7 LAT: 39 13.3 N LON: 123 51.8 W
DATE: 6/16/87 TIME: 1811Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.738	33.364	25.358	259.8	0.000
5	11.746	33.363	25.366	260.1	0.010
10	11.742	33.359	25.363	260.4	0.023
15	11.347	33.347	25.427	254.5	0.036
20	10.769	33.380	25.555	242.4	0.049
25	10.326	33.443	25.681	230.5	0.061
30	9.754	33.552	25.863	213.3	0.072
35	9.492	33.616	25.956	204.5	0.082
40	9.342	33.749	26.084	192.4	0.092
45	9.468	33.833	26.129	188.3	0.102
50	9.373	33.888	26.188	182.8	0.111
60	8.969	33.938	26.292	173.1	0.129
70	9.010	33.959	26.302	172.3	0.146
80	8.590	33.931	26.345	168.3	0.163
90	8.627	33.984	26.381	165.1	0.180
100	8.613	33.985	26.384	165.0	0.196
112	8.591	33.986	26.388	164.8	0.216



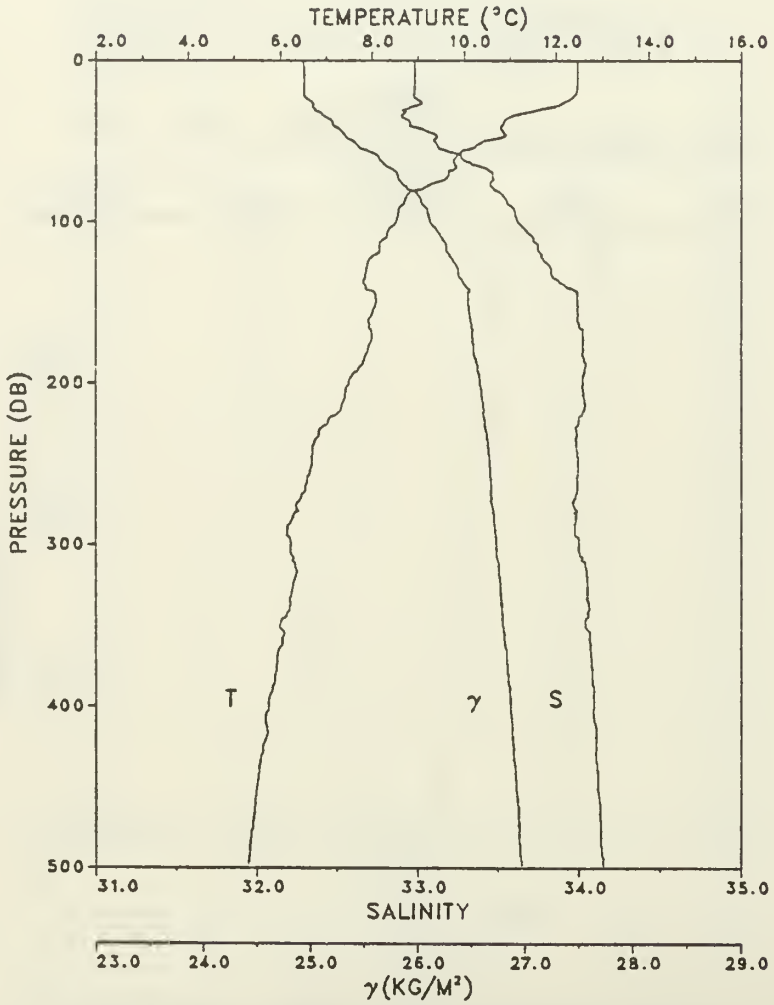
STATION: 8 LAT: 39 13.4 N LON: 123 57.8 W
DATE: 6/16/87 TIME: 1906Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.393	33.328	25.403	256.4	0.000
5	11.396	33.327	25.402	256.6	0.010
10	11.322	33.328	25.416	255.4	0.023
15	9.879	33.406	25.728	225.8	0.035
20	9.434	33.543	25.908	208.8	0.046
25	9.378	33.562	25.932	206.6	0.056
30	9.322	33.577	25.953	204.7	0.067
35	9.105	33.623	26.024	198.1	0.077
40	8.985	33.649	26.063	194.4	0.087
45	8.925	33.703	26.115	189.6	0.096
50	8.730	33.733	26.169	184.6	0.105
60	8.430	33.840	26.299	172.4	0.123
70	8.374	33.872	26.332	169.3	0.140
80	8.326	33.924	26.380	165.0	0.157
90	8.338	33.978	26.421	161.3	0.173
100	8.494	34.060	26.461	157.6	0.189
125	8.423	34.082	26.489	155.4	0.228
150	8.287	34.096	26.521	152.8	0.267
175	8.071	34.105	26.561	149.4	0.305
200	7.767	34.113	26.612	144.9	0.342
225	7.548	34.128	26.655	141.1	0.377
250	7.486	34.133	26.668	140.2	0.413
275	7.460	34.137	26.675	140.0	0.448
300	7.478	34.135	26.671	140.8	0.483
324	7.444	34.137	26.677	140.5	0.516



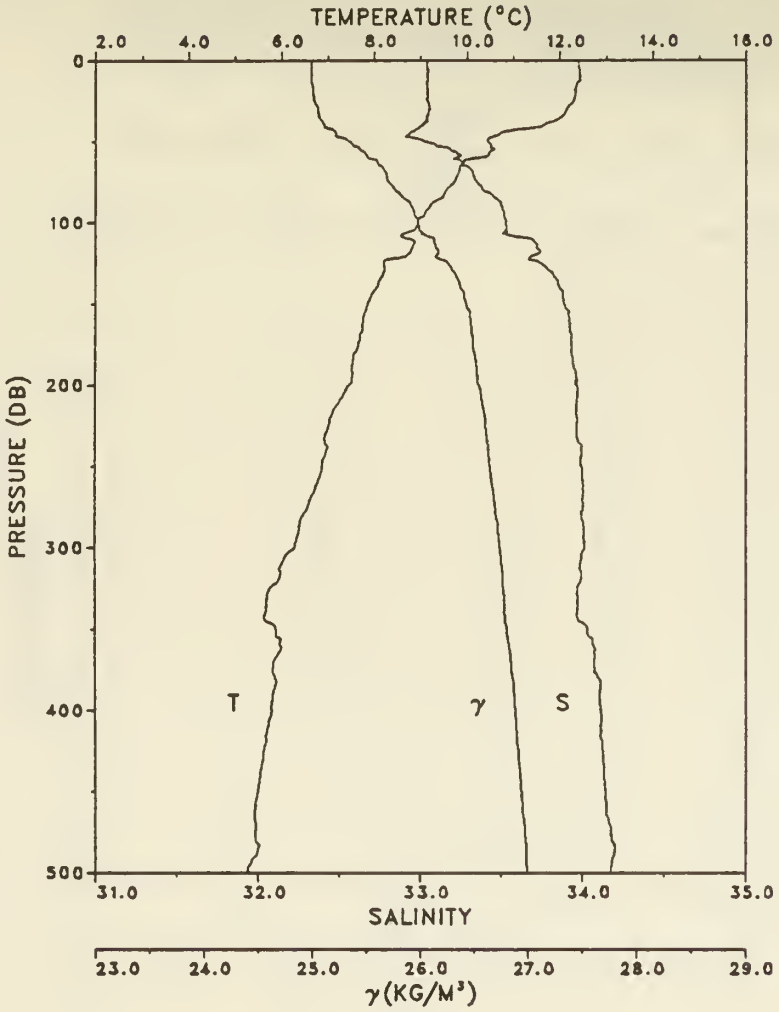
STATION: 9 LAT: 39 14.2 N LON: 124 4.3 W
DATE: 6/16/87 TIME: 2000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.894	33.031	25.080	287.1	0.000
5	11.782	33.023	25.095	285.8	0.011
10	11.674	33.024	25.116	284.0	0.026
15	11.074	33.023	25.224	273.8	0.040
20	10.880	33.055	25.283	268.3	0.053
25	10.708	33.088	25.339	263.1	0.066
30	10.137	33.174	25.504	247.4	0.079
35	10.076	33.181	25.519	246.0	0.092
40	9.601	33.307	25.697	229.3	0.103
45	9.352	33.366	25.785	221.0	0.115
50	9.243	33.386	25.816	218.1	0.126
60	8.992	33.497	25.943	206.2	0.147
70	8.926	33.699	26.111	190.4	0.167
80	8.635	33.837	26.265	175.9	0.185
90	8.441	33.883	26.331	169.8	0.202
100	8.320	33.912	26.372	166.1	0.219
125	8.235	33.936	26.403	163.5	0.260
150	8.111	34.015	26.484	156.3	0.300
175	7.918	34.043	26.535	151.8	0.339
200	7.502	34.007	26.567	149.0	0.376
225	7.397	34.049	26.615	144.8	0.413
250	7.134	34.057	26.658	141.0	0.449
275	6.927	34.074	26.699	137.3	0.484
300	6.735	34.081	26.731	134.6	0.518
325	6.540	34.084	26.759	132.1	0.551
350	6.347	34.093	26.792	129.3	0.584
375	6.426	34.167	26.840	125.1	0.615
400	6.039	34.140	26.868	122.4	0.646
425	5.988	34.177	26.904	119.4	0.677
450	5.906	34.168	26.907	119.3	0.706
475	5.878	34.203	26.938	116.6	0.736
499	5.634	34.202	26.968	113.9	0.764



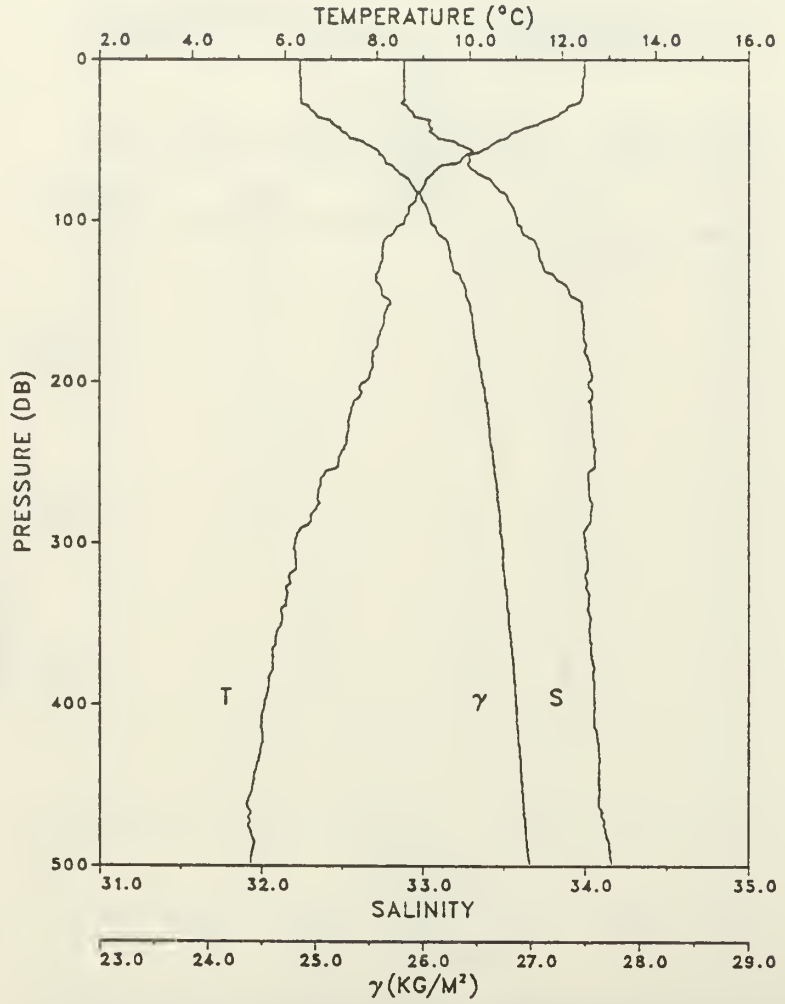
STATION: 10 LAT: 39 13.2 N LON: 124 11.4 W
DATE: 6/16/87 TIME: 2100Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.463	32.979	24.933	301.2	0.000
5	12.457	32.980	24.934	301.1	0.012
10	12.456	32.980	24.935	301.2	0.027
15	12.454	32.980	24.935	301.3	0.042
20	12.441	32.979	24.937	301.3	0.057
25	12.254	33.007	24.994	295.9	0.072
30	11.744	32.940	25.038	291.9	0.087
35	11.030	32.894	25.131	283.0	0.101
40	10.846	32.952	25.209	275.7	0.115
45	10.863	33.071	25.298	267.3	0.129
50	10.439	33.102	25.396	258.1	0.142
60	9.809	33.270	25.633	235.7	0.167
70	9.665	33.463	25.808	219.3	0.189
80	9.060	33.468	25.909	209.7	0.211
90	8.651	33.566	26.050	196.5	0.231
100	8.526	33.620	26.111	190.8	0.250
125	7.916	33.791	26.337	169.7	0.296
150	8.091	33.990	26.467	157.8	0.336
175	7.958	34.025	26.515	153.7	0.375
200	7.496	34.023	26.580	147.8	0.413
225	7.030	33.995	26.623	143.8	0.450
250	6.686	33.994	26.669	139.7	0.485
275	6.358	33.966	26.690	137.9	0.520
300	6.239	34.000	26.732	134.1	0.554
325	6.290	34.052	26.767	131.2	0.587
350	5.993	34.038	26.794	128.8	0.619
375	5.923	34.078	26.834	125.3	0.651
400	5.750	34.089	26.864	122.6	0.682
425	5.626	34.105	26.892	120.1	0.712
450	5.495	34.117	26.917	117.9	0.742
475	5.400	34.134	26.942	115.8	0.771
499	5.297	34.150	26.967	113.6	0.799



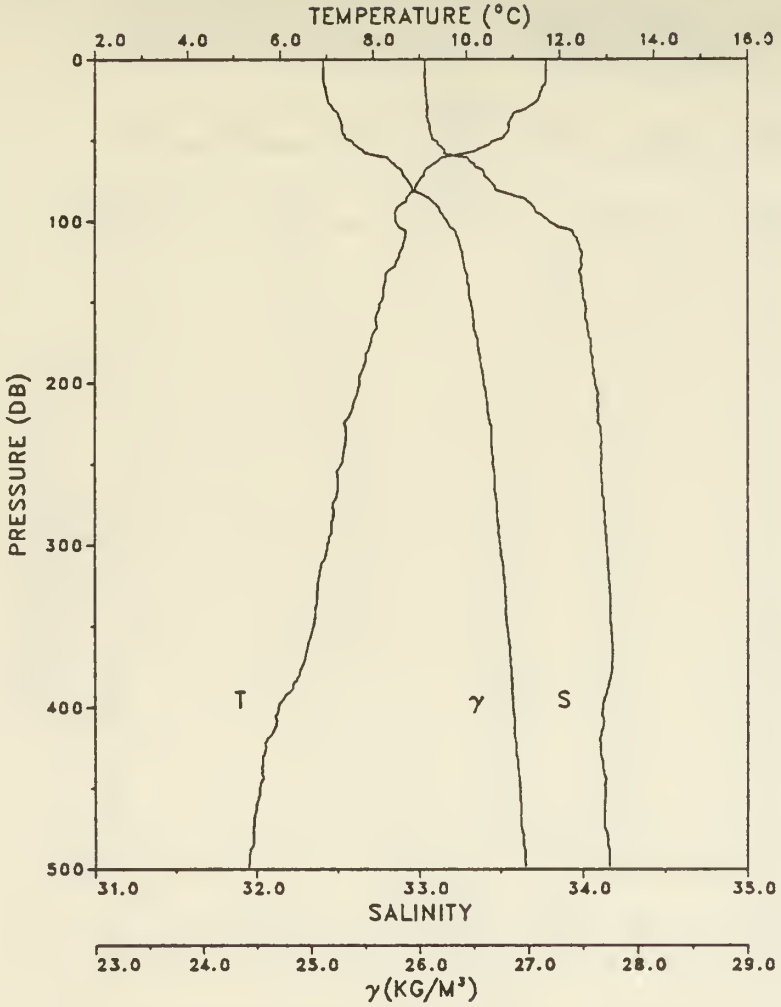
STATION: 11 LAT: 39 13.1 N LON: 124 19.0 W
DATE: 6/16/87 TIME: 2218Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.403	33.037	24.989	295.8	0.000
5	12.419	33.041	24.989	295.9	0.012
10	12.434	33.041	24.986	296.3	0.027
15	12.355	33.039	25.000	295.1	0.041
20	12.336	33.039	25.003	294.9	0.056
25	12.285	33.042	25.015	293.9	0.071
30	12.156	33.056	25.051	290.6	0.086
35	12.042	33.030	25.052	290.6	0.100
40	11.671	33.015	25.109	285.2	0.114
45	10.732	32.936	25.216	275.1	0.128
50	10.437	33.023	25.335	263.9	0.142
60	10.395	33.230	25.503	248.1	0.168
70	9.792	33.323	25.678	231.7	0.192
80	9.546	33.380	25.763	223.7	0.214
90	9.196	33.496	25.910	209.9	0.236
100	8.924	33.524	25.975	203.9	0.257
125	8.203	33.732	26.248	178.2	.0.304
150	7.853	33.878	26.415	162.8	0.347
175	7.651	33.930	26.485	156.5	0.387
200	7.457	33.962	26.538	151.8	0.425
225	7.023	33.965	26.601	146.0	0.463
250	6.871	33.991	26.642	142.4	0.499
275	6.571	34.002	26.691	137.9	0.534
300	6.290	34.013	26.736	133.8	0.568
325	5.751	33.969	26.769	130.6	0.601
350	5.891	34.030	26.800	128.1	0.633
375	5.822	34.075	26.844	124.2	0.665
400	5.794	34.113	26.878	121.3	0.695
425	5.620	34.124	26.908	118.7	0.725
450	5.489	34.139	26.935	116.2	0.755
475	5.441	34.175	26.970	113.2	0.783
499	5.273	34.176	26.990	111.4	0.810



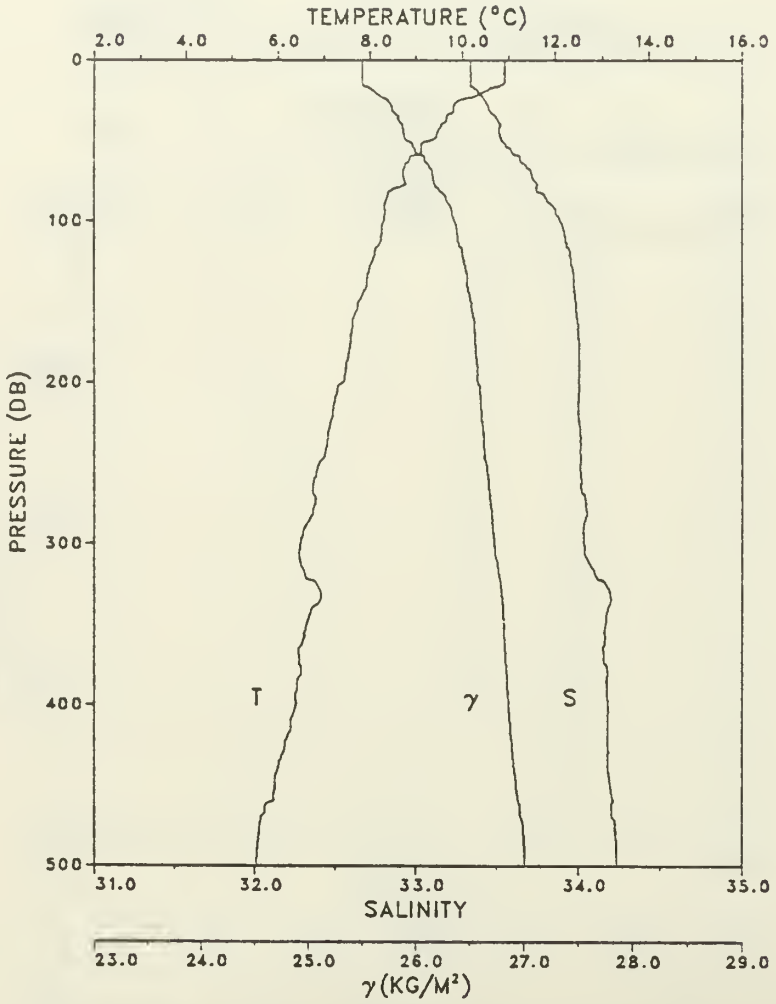
STATION: 12 LAT: 39 6.3 N LON: 124 12.3 W
DATE: 6/17/87 TIME: 0000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.470	32.880	24.854	308.7	0.000
5	12.471	32.880	24.854	308.8	0.012
10	12.473	32.880	24.854	308.9	0.028
15	12.436	32.881	24.862	308.3	0.043
20	12.436	32.880	24.861	308.5	0.059
25	12.394	32.884	24.872	307.5	0.074
30	12.096	32.904	24.944	300.8	0.089
35	11.896	32.942	25.011	294.5	0.104
40	11.503	33.029	25.151	281.3	0.119
45	11.041	33.030	25.235	273.4	0.132
50	10.656	33.135	25.384	259.2	0.146
60	9.909	33.280	25.625	236.5	0.170
70	9.225	33.324	25.771	222.8	0.193
80	8.972	33.459	25.916	209.1	0.215
90	8.747	33.541	26.016	199.8	0.235
100	8.587	33.577	26.068	194.9	0.255
125	8.095	33.725	26.259	177.2	0.302
150	8.291	33.975	26.426	161.9	0.344
175	8.017	33.998	26.485	156.6	0.384
200	7.739	34.018	26.541	151.5	0.422
225	7.384	34.040	26.609	145.3	0.460
250	7.163	34.055	26.652	141.6	0.495
275	6.757	34.042	26.697	137.4	0.530
300	6.221	33.999	26.734	134.0	0.564
325	6.122	34.009	26.754	132.3	0.597
350	5.916	34.027	26.794	128.7	0.630
375	5.728	34.048	26.834	125.1	0.662
400	5.550	34.054	26.861	122.7	0.693
425	5.485	34.081	26.890	120.2	0.723
450	5.295	34.085	26.916	117.9	0.753
475	5.199	34.111	26.948	115.0	0.782
499	5.246	34.162	26.982	112.1	0.809



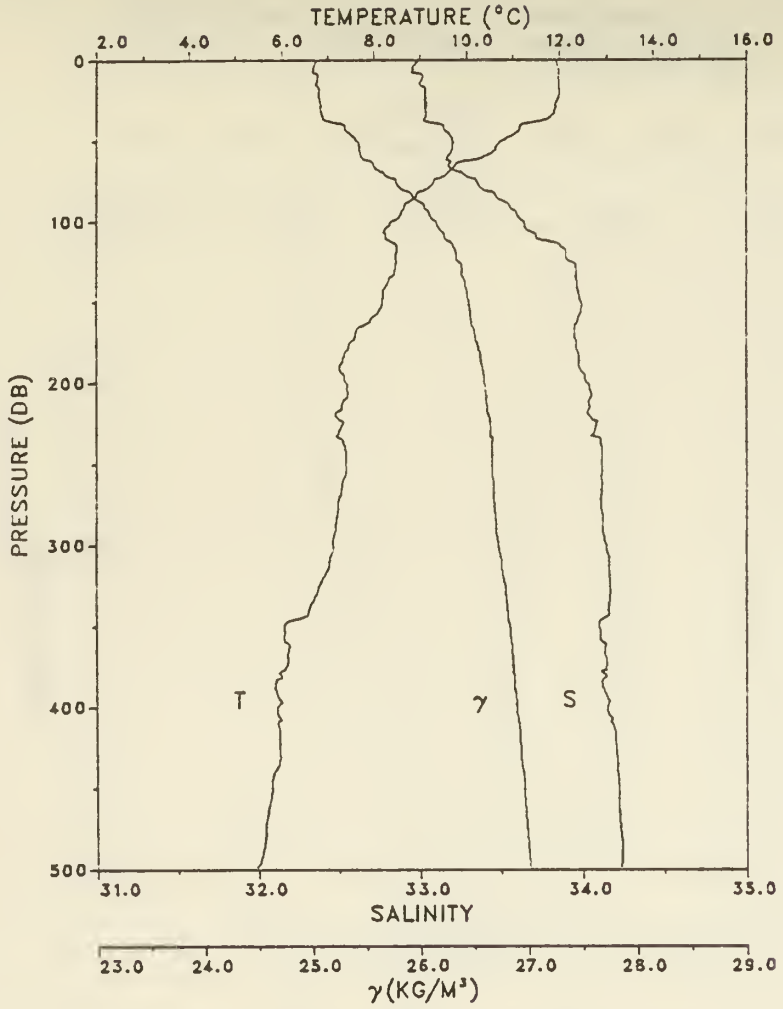
STATION: 13 LAT: 39 3.1 N LON: 124 7.3 W
DATE: 6/17/87 TIME: 0141Z

	PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
	2	11.711	33.031	25.114	283.9	0.000
	5	11.709	33.030	25.114	284.0	0.009
	10	11.707	33.030	25.114	284.1	0.023
	15	11.690	33.032	25.119	283.8	0.037
	20	11.593	33.039	25.142	281.7	0.051
	25	11.526	33.040	25.155	280.5	0.065
	30	11.312	33.051	25.203	276.1	0.079
	35	10.996	33.043	25.253	271.4	0.093
	40	10.906	33.063	25.284	268.5	0.106
	45	10.896	33.067	25.289	268.2	0.120
	50	10.646	33.092	25.353	262.2	0.133
	60	9.665	33.224	25.621	236.8	0.158
	70	9.099	33.394	25.845	215.6	0.180
	80	8.908	33.463	25.929	207.8	0.202
	90	8.597	33.690	26.155	186.5	0.221
	100	8.490	33.794	26.253	177.4	0.240
	125	8.503	33.989	26.404	163.5	0.282
	150	8.162	34.011	26.473	157.3	0.322
	175	7.946	34.047	26.534	151.9	0.361
	200	7.712	34.073	26.588	147.1	0.398
	225	7.375	34.086	26.647	141.8	0.434
	250	7.311	34.106	26.671	139.8	0.470
•	275	7.135	34.125	26.711	136.3	0.504
•	300	7.018	34.142	26.741	133.9	0.538
•	325	6.815	34.159	26.782	130.2	0.571
	350	6.715	34.169	26.803	128.5	0.603
	375	6.479	34.177	26.841	125.1	0.635
	400	5.969	34.120	26.861	123.0	0.666
	425	5.693	34.108	26.886	120.8	0.696
	450	5.563	34.133	26.922	117.6	0.726
	475	5.425	34.136	26.941	115.9	0.755
	499	5.326	34.160	26.971	113.2	0.783



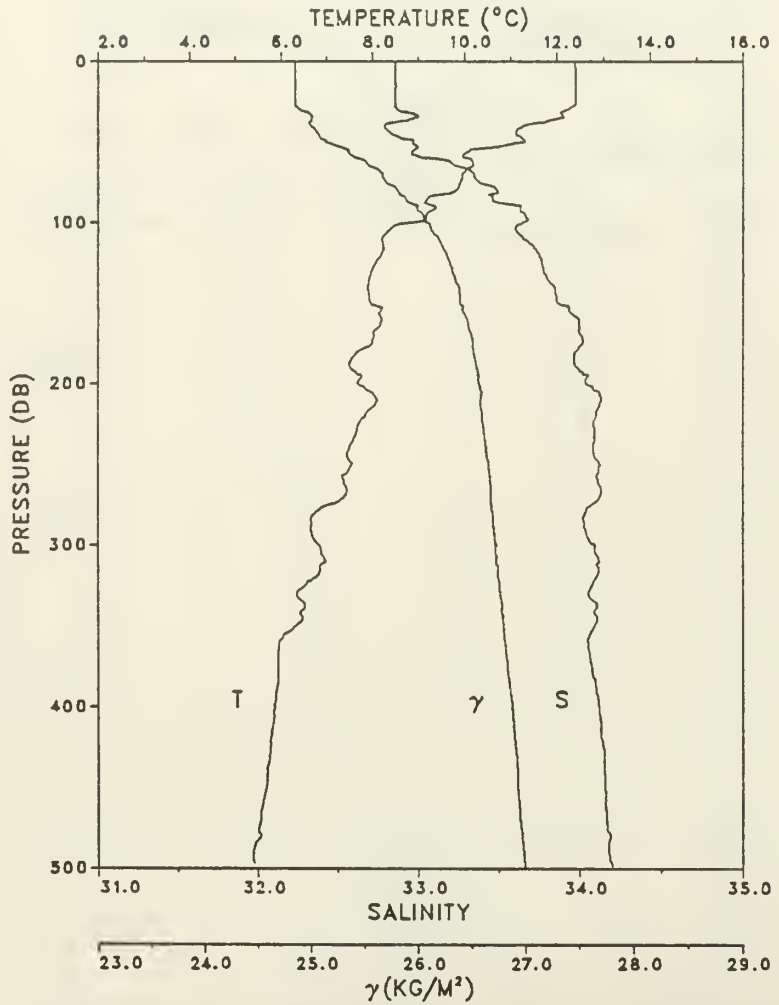
STATION: 14 LAT: 38 58.1 N LON: 124 2.3 W
DATE: 6/17/87 TIME: 0300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	10.908	33.335	25.496	247.6	0.000
5	10.915	33.335	25.495	247.8	0.010
10	10.910	33.337	25.497	247.7	0.022
15	10.885	33.338	25.502	247.3	0.035
20	10.427	33.385	25.619	236.3	0.047
25	9.918	33.431	25.741	224.8	0.058
30	9.814	33.450	25.773	221.8	0.069
35	9.662	33.494	25.833	216.3	0.080
40	9.544	33.521	25.873	212.5	0.091
45	9.456	33.515	25.883	211.7	0.102
50	9.309	33.525	25.914	208.8	0.112
60	8.867	33.640	26.074	193.7	0.132
70	8.713	33.711	26.154	186.3	0.151
80	8.511	33.744	26.211	181.0	0.170
90	8.308	33.836	26.314	171.4	0.187
100	8.295	33.887	26.356	167.6	0.204
125	8.054	33.953	26.444	159.6	0.245
150	7.742	33.982	26.512	153.5	0.284
175	7.579	34.001	26.551	150.2	0.322
200	7.407	34.000	26.575	148.2	0.360
225	7.139	34.002	26.614	144.8	0.396
250	6.893	34.011	26.654	141.2	0.432
275	6.809	34.045	26.693	137.9	0.467
300	6.495	34.034	26.726	134.9	0.501
325	6.856	34.170	26.785	129.9	0.534
350	6.617	34.164	26.812	127.5	0.566
375	6.473	34.168	26.834	125.7	0.598
400	6.382	34.181	26.857	123.8	0.629
425	6.157	34.181	26.886	121.2	0.660
450	5.934	34.193	26.923	117.8	0.690
475	5.602	34.225	26.990	111.5	0.718
499	5.524	34.236	27.008	110.0	0.745



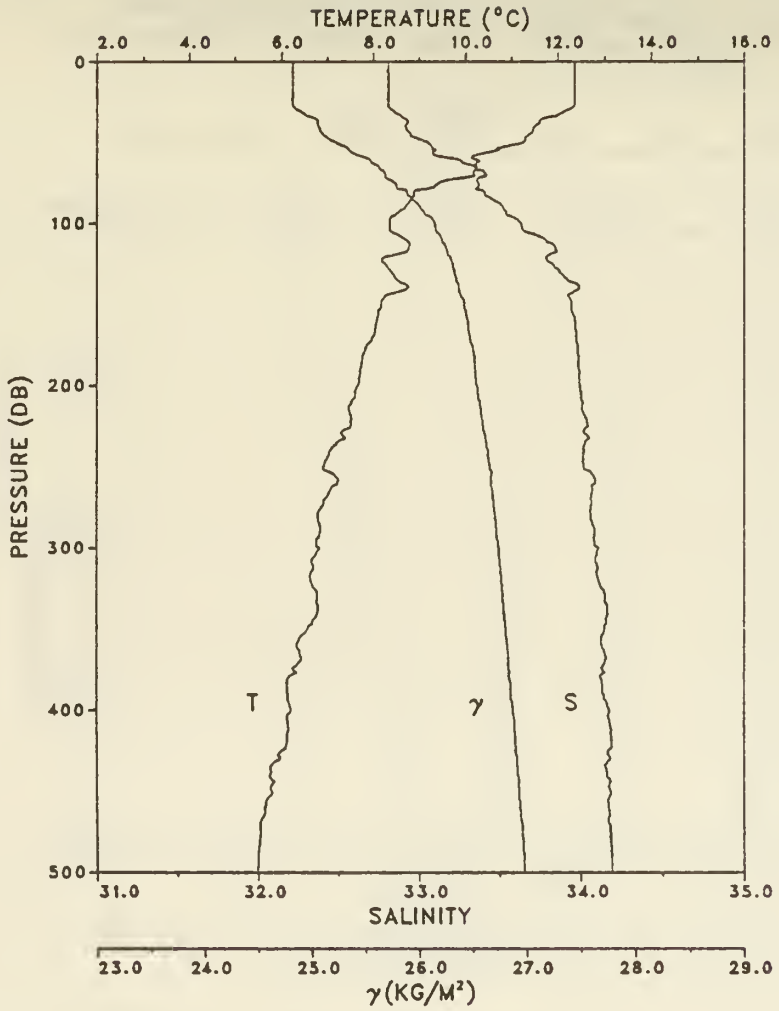
STATION: 15 LAT: 38 54.9 N LON: 124 11.9 W
DATE: 6/17/87 TIME: 0530Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.931	32.984	25.037	291.3	0.000
5	11.970	32.948	25.002	294.7	0.012
10	11.977	33.016	25.053	289.9	0.026
15	11.986	32.995	25.035	291.8	0.041
20	11.988	33.034	25.065	289.0	0.055
25	11.943	33.034	25.074	288.3	0.070
30	11.917	33.034	25.078	288.0	0.084
35	11.814	33.036	25.099	286.1	0.099
40	11.216	33.120	25.274	269.6	0.112
45	11.100	33.164	25.329	264.5	0.126
50	10.771	33.200	25.415	256.3	0.139
60	10.385	33.167	25.456	252.6	0.164
70	9.591	33.259	25.661	233.2	0.189
80	9.155	33.383	25.828	217.5	0.211
90	8.659	33.553	26.039	197.6	0.232
100	8.384	33.639	26.148	187.3	0.251
125	8.501	33.922	26.352	168.4	0.296
150	8.182	33.990	26.454	159.2	0.337
175	7.506	33.958	26.527	152.3	0.375
200	7.393	34.022	26.594	146.4	0.413
225	7.346	34.079	26.645	141.9	0.449
250	7.397	34.115	26.666	140.3	0.484
275	7.234	34.111	26.686	138.7	0.519
300	7.126	34.145	26.728	135.1	0.553
325	6.813	34.166	26.787	129.7	0.586
350	6.061	34.097	26.832	125.3	0.618
375	6.100	34.140	26.861	122.9	0.649
400	5.911	34.152	26.894	119.9	0.680
425	5.954	34.202	26.928	117.1	0.709
450	5.784	34.217	26.961	114.1	0.738
475	5.651	34.230	26.988	111.7	0.766
499	5.449	34.233	27.015	109.3	0.793



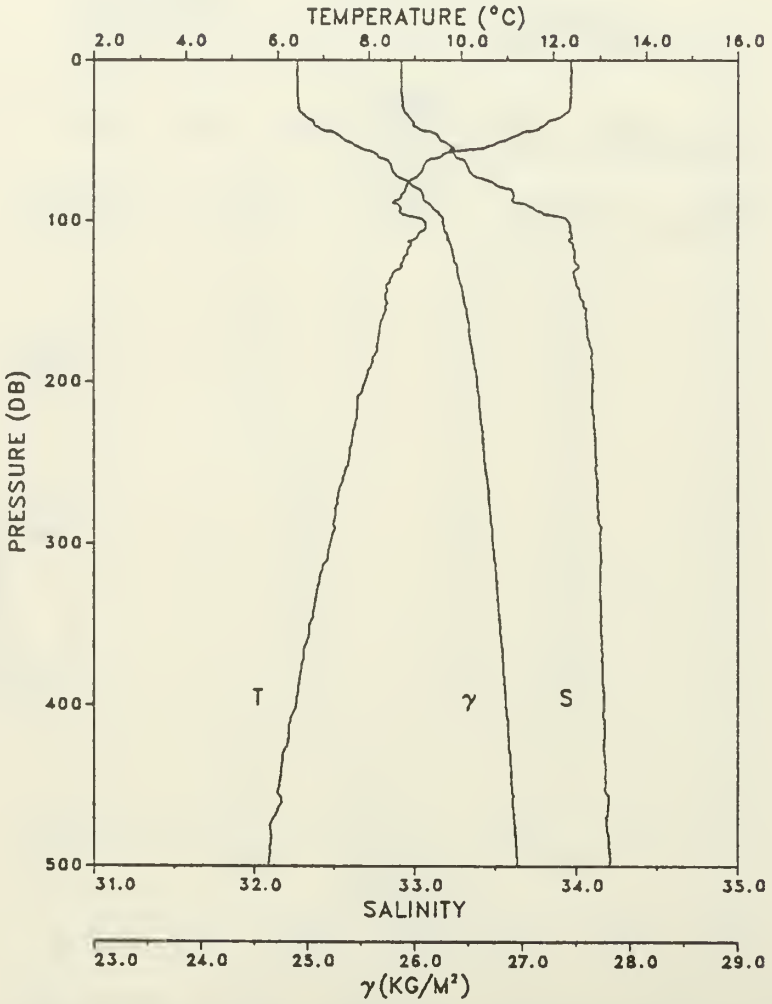
STATION: 16 LAT: 38 51.8 N LON: 124 23.1 W
DATE: 6/17/87 TIME: 0700Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.393	32.855	24.850	309.1	0.000
5	12.402	32.858	24.850	309.1	0.012
10	12.404	32.857	24.849	309.4	0.028
15	12.405	32.859	24.851	309.3	0.043
20	12.410	32.858	24.849	309.6	0.059
25	12.412	32.858	24.848	309.8	0.074
30	12.234	32.869	24.891	305.8	0.090
35	12.144	32.994	25.005	295.1	0.105
40	11.309	32.787	24.998	295.8	0.119
45	11.127	32.837	25.069	289.1	0.134
50	11.315	32.964	25.134	283.0	0.148
60	9.981	33.023	25.412	256.7	0.175
70	9.960	33.345	25.667	232.7	0.200
80	9.811	33.488	25.803	219.9	0.222
90	9.350	33.636	25.995	201.9	0.244
100	8.910	33.651	26.076	194.2	0.263
125	8.071	33.765	26.234	173.9	0.309
150	7.970	33.865	26.387	165.4	0.352
175	7.981	34.015	26.503	154.8	0.392
200	7.687	34.036	26.563	149.5	0.430
225	7.689	34.084	26.600	146.3	0.467
250	7.555	34.126	26.653	141.7	0.503
275	7.035	34.071	26.682	139.0	0.538
300	6.843	34.098	26.730	134.8	0.572
325	6.530	34.073	26.752	132.8	0.606
350	6.318	34.090	26.793	129.1	0.638
375	5.939	34.074	26.829	125.8	0.670
400	5.863	34.121	26.875	121.6	0.701
425	5.771	34.145	26.906	119.0	0.731
450	5.674	34.156	26.926	117.2	0.761
475	5.517	34.171	26.957	114.5	0.790
499	5.414	34.201	26.993	111.2	0.817



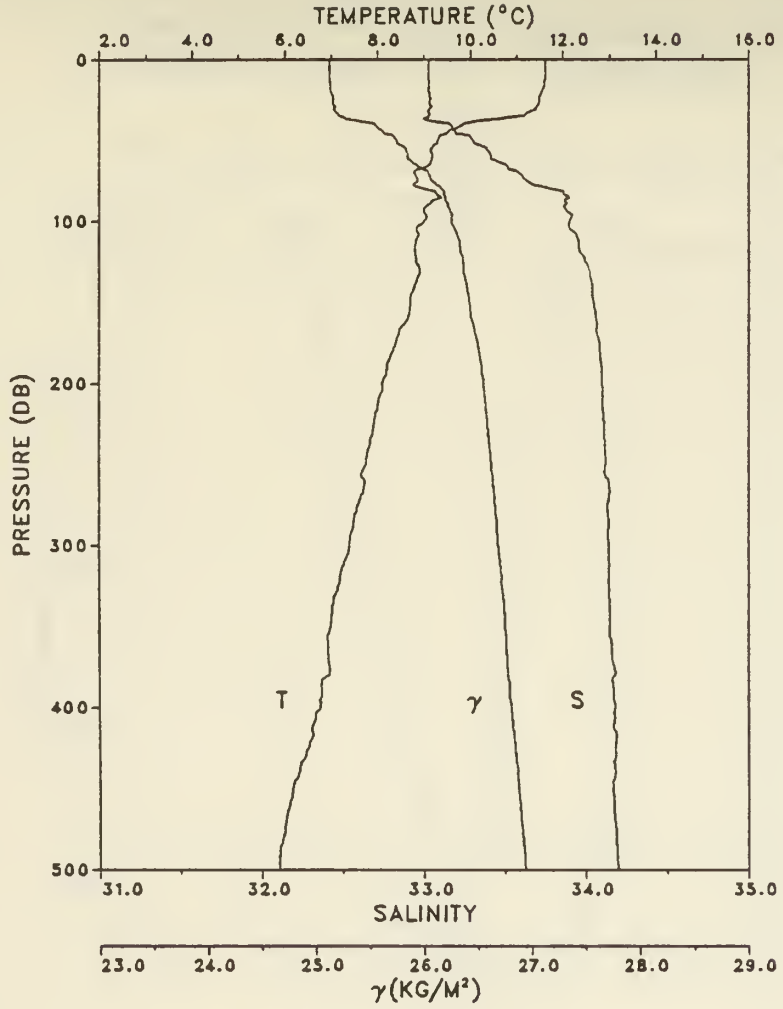
STATION: 17 LAT: 38 46.7 N LON: 124 17.0 W
DATE: 6/17/87 TIME: 0900Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.358	32.806	24.818	312.1	0.000
5	12.357	32.805	24.818	312.2	0.012
10	12.357	32.804	24.817	312.4	0.028
15	12.359	32.805	24.818	312.5	0.044
20	12.359	32.805	24.818	312.6	0.059
25	12.358	32.805	24.818	312.7	0.075
30	12.222	32.826	24.860	308.8	0.091
35	11.739	32.895	25.004	295.2	0.106
40	11.512	32.911	25.058	290.2	0.120
45	11.413	32.945	25.102	286.0	0.135
50	11.255	33.054	25.215	275.3	0.149
60	10.130	33.178	25.508	247.6	0.175
70	10.186	33.414	25.683	231.2	0.199
80	8.892	33.393	25.877	212.8	0.221
90	8.690	33.518	26.006	200.6	0.242
100	8.360	33.630	26.145	187.6	0.261
125	8.252	33.820	26.310	172.4	0.306
150	8.172	33.940	26.416	162.7	0.348
175	7.858	33.976	26.491	156.0	0.388
200	7.658	33.992	26.532	152.3	0.426
225	7.513	34.041	26.592	147.1	0.464
250	6.916	34.011	26.651	141.5	0.500
275	6.872	34.058	26.694	137.8	0.535
300	6.827	34.107	26.739	133.9	0.569
325	6.708	34.127	26.771	131.2	0.602
350	6.550	34.141	26.803	128.4	0.634
375	6.257	34.133	26.835	125.4	0.666
400	6.210	34.174	26.873	122.1	0.697
425	6.006	34.166	26.893	120.4	0.727
450	5.795	34.183	26.933	116.8	0.757
475	5.548	34.181	26.961	114.1	0.786
499	5.481	34.189	26.976	113.0	0.813



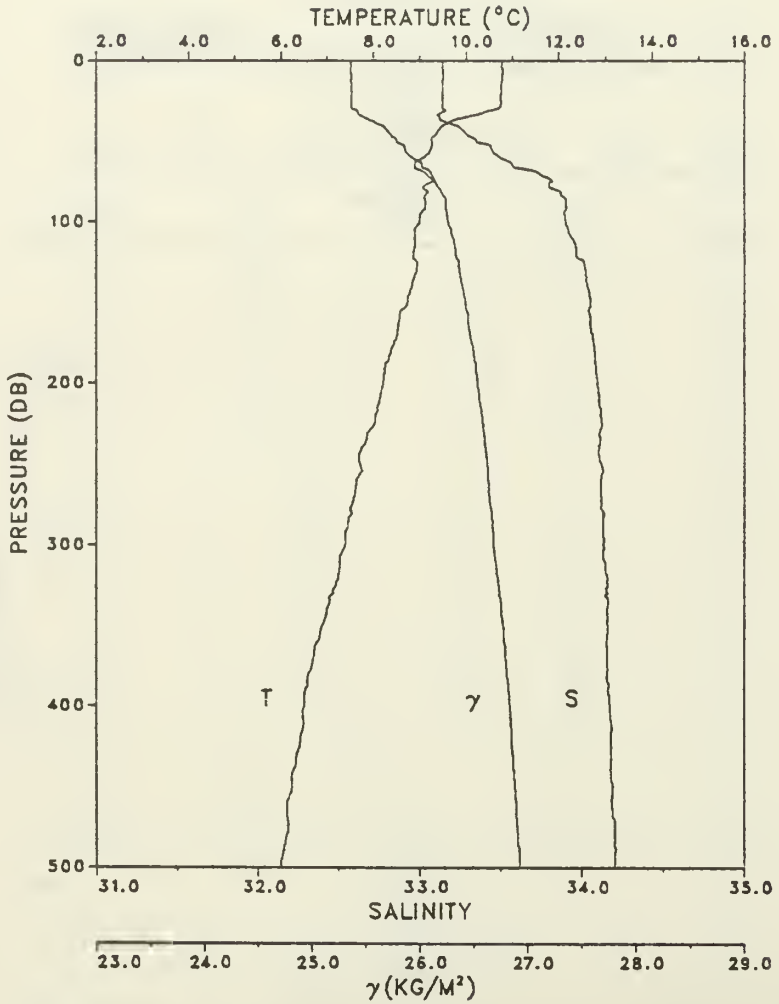
STATION: 18 LAT: 38 41.9 N LON: 124 11.8 W
DATE: 6/17/87 TIME: 1000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.381	32.914	24.898	304.5	0.000
5	12.382	32.914	24.898	304.6	0.012
10	12.381	32.914	24.898	304.7	0.027
15	12.380	32.915	24.899	304.8	0.043
20	12.379	32.915	24.899	304.8	0.058
25	12.365	32.920	24.906	304.3	0.073
30	12.337	32.928	24.917	303.4	0.088
35	12.184	32.961	24.972	298.3	0.103
40	11.837	32.989	25.058	290.1	0.118
45	11.363	33.102	25.233	273.6	0.132
50	10.957	33.162	25.353	262.3	0.146
60	9.579	33.252	25.657	233.4	0.170
70	9.121	33.342	25.801	219.8	0.193
80	8.794	33.561	26.024	198.8	0.214
90	8.630	33.684	26.146	187.4	0.233
100	9.200	33.942	26.258	177.1	0.251
125	8.751	33.987	26.364	167.3	0.295
150	8.401	34.041	26.461	158.6	0.335
175	8.200	34.079	26.521	153.2	0.374
200	7.920	34.100	26.579	148.0	0.412
225	7.706	34.107	26.616	144.9	0.448
250	7.540	34.120	26.630	142.0	0.484
275	7.321	34.133	26.691	138.3	0.519
300	7.151	34.143	26.723	135.6	0.554
325	6.892	34.145	26.760	132.3	0.587
350	6.696	34.148	26.789	129.8	0.620
375	6.529	34.158	26.819	127.2	0.652
400	6.401	34.170	26.845	124.9	0.683
425	6.210	34.172	26.872	122.6	0.714
450	6.037	34.178	26.899	120.2	0.745
475	5.844	34.187	26.930	117.4	0.774
499	5.788	34.202	26.949	115.9	0.802



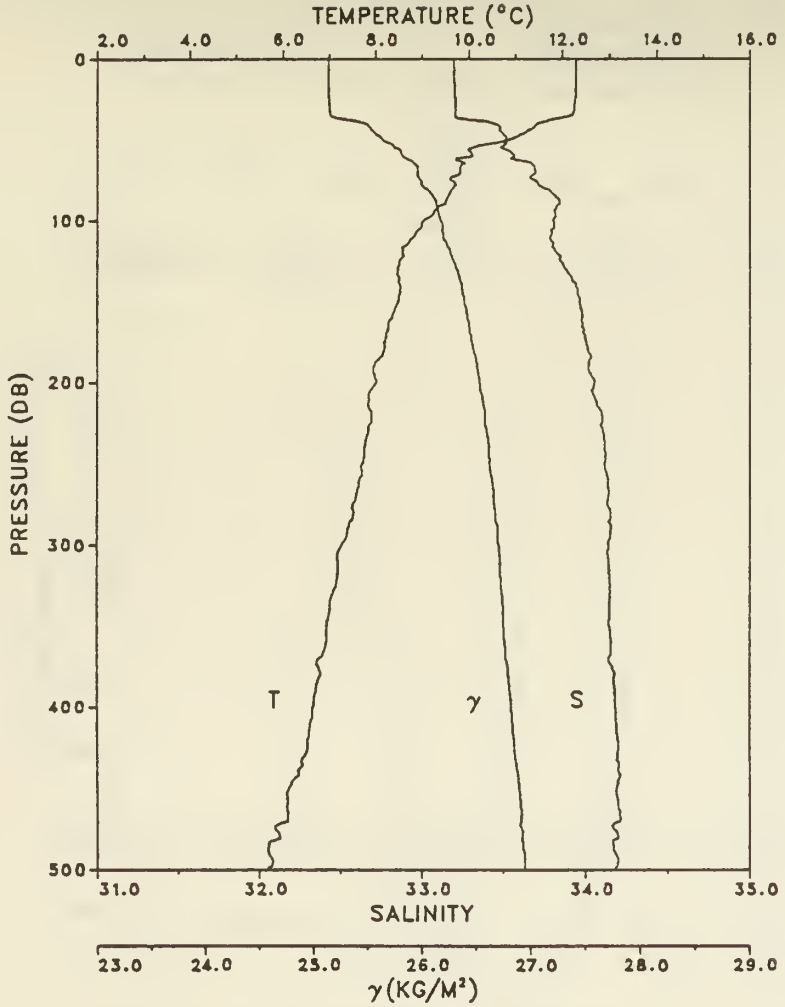
STATION: 19 LAT: 38 36.2 N LON: 124 6.1 W
DATE: 6/17/87 TIME: 1200Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.624	33.028	25.128	282.6	0.000
5	11.622	33.026	25.127	282.8	0.011
10	11.613	33.025	25.128	282.8	0.025
15	11.599	33.028	25.133	282.5	0.040
20	11.537	33.031	25.146	281.3	0.054
25	11.487	33.034	25.158	280.3	0.068
30	11.415	33.035	25.172	279.1	0.082
35	11.151	33.028	25.214	275.2	0.096
40	9.866	33.152	25.532	244.9	0.109
45	9.518	33.195	25.623	236.4	0.121
50	9.291	33.303	25.744	225.0	0.132
60	9.176	33.410	25.846	215.4	0.154
70	8.793	33.585	26.043	196.8	0.175
80	8.963	33.766	26.158	186.1	0.194
90	9.114	33.878	26.222	180.3	0.212
100	9.001	33.898	26.255	177.3	0.230
125	8.822	33.995	26.360	167.8	0.273
150	8.695	34.045	26.419	162.6	0.315
175	8.387	34.081	26.494	155.8	0.354
200	8.105	34.098	26.550	150.9	0.393
225	7.918	34.109	26.586	147.7	0.430
250	7.741	34.118	26.619	145.0	0.467
275	7.562	34.131	26.656	141.8	0.502
300	7.394	34.138	26.685	139.4	0.538
325	7.147	34.138	26.720	136.3	0.572
350	6.981	34.142	26.746	134.1	0.606
375	6.975	34.175	26.773	131.9	0.639
400	6.757	34.177	26.804	129.2	0.672
425	6.497	34.179	26.840	125.9	0.704
450	6.161	34.167	26.874	122.7	0.735
475	5.993	34.183	26.908	119.6	0.765
499	5.862	34.198	26.936	117.1	0.793



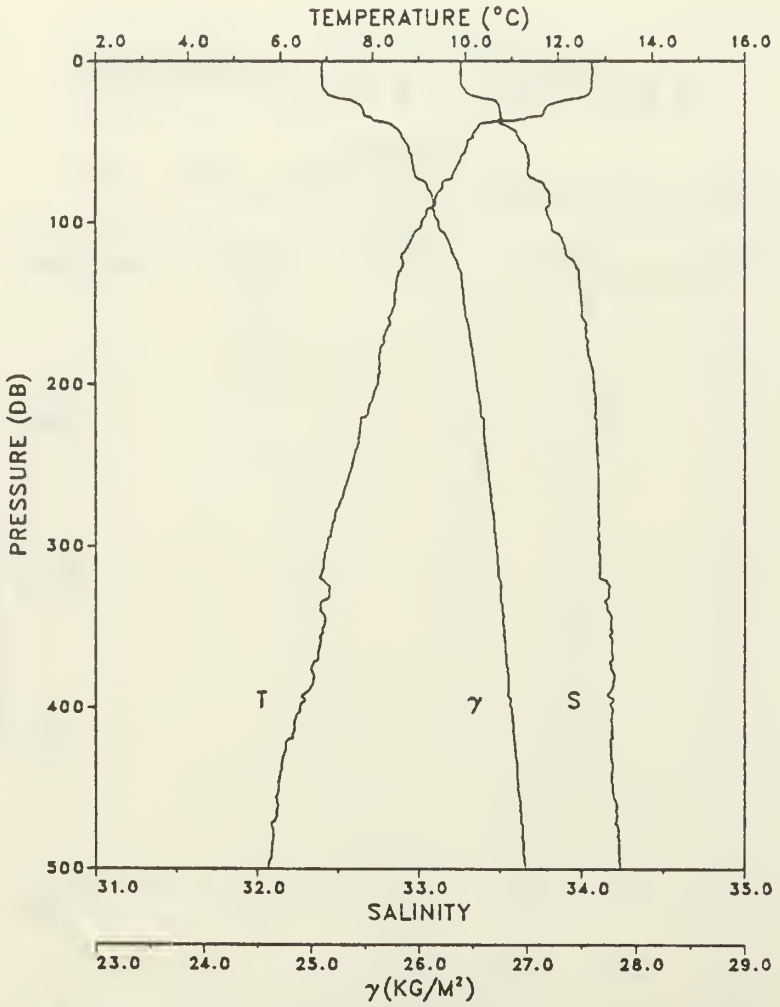
STATION: 20 LAT: 38 31.7 N LON: 124 1.2 W
DATE: 6/17/87 TIME: 1300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	10.777	33.138	25.366	260.0	0.000
5	10.793	33.142	25.366	260.1	0.010
10	10.782	33.143	25.369	259.9	0.023
15	10.759	33.140	25.370	259.9	0.036
20	10.752	33.138	25.370	260.0	0.049
25	10.753	33.139	25.371	260.0	0.062
30	10.695	33.139	25.381	259.2	0.075
35	10.043	33.120	25.477	250.0	0.088
40	9.547	33.204	25.[illegible]25	236.1	0.100
45	9.362	33.278	25.713	227.8	0.112
50	9.256	33.351	25.787	220.9	0.123
60	9.108	33.486	25.916	208.8	0.145
70	9.138	33.737	26.108	190.8	0.165
80	9.093	33.827	26.185	183.6	0.183
90	9.117	33.902	26.240	178.6	0.201
100	8.986	33.899	26.259	177.0	0.219
125	8.941	34.014	26.356	168.2	0.262
150	8.727	34.054	26.421	162.5	0.304
175	8.436	34.073	26.480	157.1	0.344
200	8.208	34.096	26.533	152.5	0.382
225	8.012	34.124	26.584	148.0	0.420
250	7.710	34.119	26.625	144.4	0.456
275	7.535	34.120	26.651	142.3	0.492
300	7.384	34.133	26.682	139.6	0.527
325	7.194	34.158	26.729	135.5	0.562
350	6.877	34.158	26.772	131.5	0.595
375	6.661	34.156	26.800	129.1	0.628
400	6.506	34.174	26.835	126.0	0.660
425	6.398	34.180	26.854	124.5	0.691
450	6.230	34.189	26.883	121.9	0.722
475	6.151	34.205	26.905	120.0	0.752
499	5.985	34.205	26.926	118.2	0.781



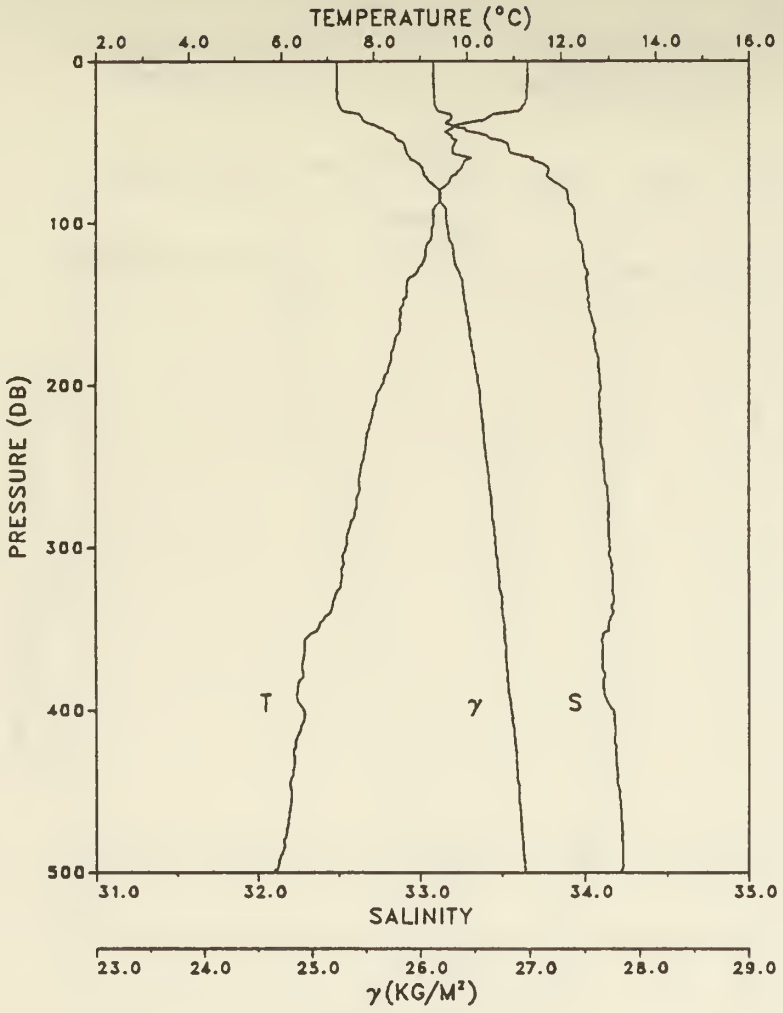
STATION: 21 LAT: 38 25.8 N LON: 123 53.3 W
DATE: 6/17/87 TIME: 1400Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.286	33.195	25.134	282.1	0.000
5	12.285	33.195	25.134	282.1	0.011
10	12.285	33.195	25.134	282.2	0.025
15	12.285	33.197	25.136	282.2	0.040
20	12.285	33.198	25.136	282.3	0.054
25	12.273	33.205	25.144	281.6	0.068
30	12.250	33.204	25.148	281.4	0.082
35	12.211	33.202	25.154	281.0	0.096
40	11.493	33.425	25.461	251.8	0.109
45	11.236	33.478	25.549	243.6	0.122
50	10.882	33.512	25.638	235.1	0.134
60	10.091	33.567	25.818	218.2	0.156
70	9.817	33.694	25.963	204.6	0.177
80	9.685	33.743	26.023	199.0	0.198
90	9.500	33.842	26.131	189.0	0.217
100	9.032	33.801	26.175	184.9	0.236
125	8.505	33.843	26.290	174.4	0.281
150	8.471	33.961	26.387	165.5	0.323
175	8.195	34.001	26.460	158.9	0.364
200	8.007	34.051	26.528	152.9	0.403
225	7.898	34.097	26.580	148.4	0.440
250	7.700	34.111	26.620	144.9	0.477
275	7.501	34.133	26.666	140.8	0.513
300	7.267	34.140	26.704	137.4	0.547
325	7.160	34.149	26.726	135.7	0.581
350	6.953	34.143	26.750	133.6	0.615
375	6.782	34.165	26.791	130.0	0.648
400	6.643	34.181	26.822	127.3	0.680
425	6.535	34.200	26.851	124.8	0.712
450	6.123	34.188	26.896	120.6	0.742
475	5.831	34.171	26.919	118.4	0.772
499	5.683	34.180	26.944	116.2	0.800



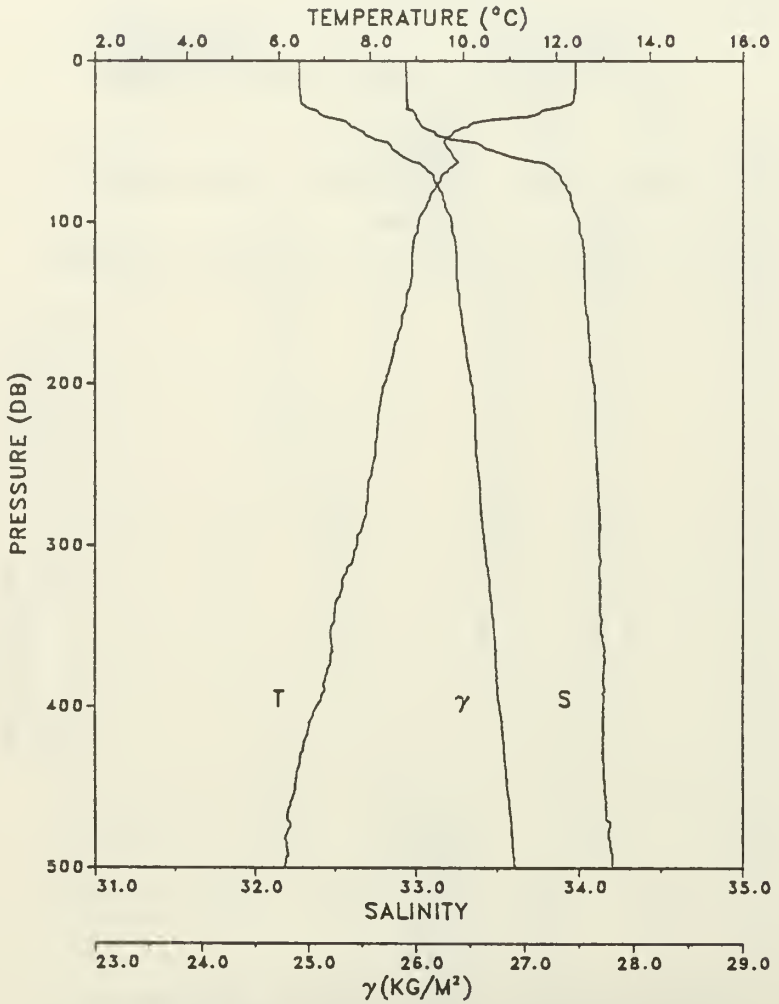
STATION: 22 LAT: 38 20.3 N LON: 123 59.2 W
DATE: 6/18/87 TIME: 0100Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.724	33.259	25.099	285.4	0.000
5	12.725	33.257	25.097	285.6	0.011
10	12.721	33.260	25.100	285.5	0.026
15	12.721	33.261	25.101	285.5	0.040
20	12.647	33.303	25.148	281.2	0.054
25	12.050	33.477	25.397	257.5	0.068
30	11.699	33.500	25.481	249.7	0.080
35	11.342	33.508	25.553	243.0	0.093
40	10.275	33.533	25.760	223.3	0.104
45	10.153	33.600	25.833	216.4	0.115
50	10.055	33.628	25.872	212.9	0.126
60	9.897	33.673	25.933	207.2	0.147
70	9.734	33.672	25.960	204.9	0.168
80	9.477	33.786	26.091	192.6	0.187
90	9.337	33.803	26.127	189.3	0.207
100	9.058	33.813	26.180	184.4	0.225
125	8.662	33.959	26.356	168.1	0.269
150	8.472	34.002	26.419	162.5	0.311
175	8.236	34.039	26.484	156.7	0.351
200	8.107	34.076	26.532	152.5	0.389
225	7.731	34.090	26.599	146.5	0.427
250	7.545	34.100	26.634	143.5	0.463
275	7.260	34.102	26.676	139.8	0.498
300	7.004	34.106	26.714	136.3	0.533
325	7.065	34.173	26.759	132.6	0.566
350	6.928	34.178	26.781	130.7	0.599
375	6.670	34.180	26.818	127.4	0.632
400	6.418	34.187	26.857	123.9	0.663
425	6.104	34.178	26.890	120.8	0.694
450	5.951	34.191	26.920	118.2	0.723
475	5.835	34.224	26.960	114.5	0.752
499	5.735	34.233	26.980	112.9	0.780



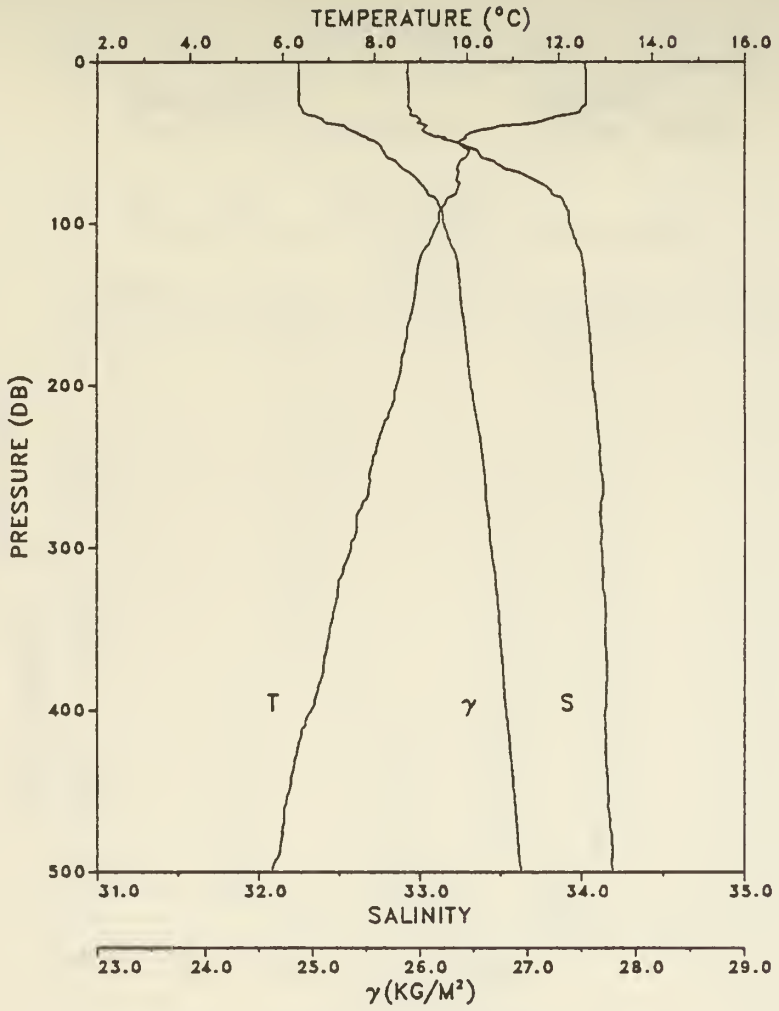
STATION: 23 LAT: 38 25.4 N LON: 124 7.3 W
DATE: 6/18/87 TIME: 0300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.286	33.082	25.231	272.8	0.000
5	11.285	33.082	25.232	272.8	0.011
10	11.294	33.082	25.230	273.1	0.025
15	11.281	33.085	25.235	272.8	0.038
20	11.278	33.085	25.235	272.8	0.052
25	11.248	33.090	25.245	272.0	0.065
30	11.142	33.104	25.274	269.3	0.079
35	10.453	33.193	25.465	251.3	0.092
40	9.748	33.195	25.585	239.9	0.104
45	9.582	33.355	25.737	225.5	0.116
50	9.753	33.515	25.834	216.4	0.127
60	10.098	33.687	25.911	209.4	0.148
70	9.761	33.770	26.032	198.0	0.169
80	9.412	33.891	26.184	183.8	0.188
90	9.322	33.925	26.225	180.0	0.206
100	9.281	33.940	26.243	178.5	0.224
125	9.050	33.993	26.322	171.4	0.268
150	8.639	34.027	26.413	163.1	0.309
175	8.439	34.060	26.470	158.2	0.350
200	8.166	34.094	26.538	152.0	0.388
225	7.910	34.095	26.577	148.7	0.426
250	7.734	34.117	26.620	144.9	0.463
275	7.631	34.144	26.656	141.9	0.498
300	7.405	34.155	26.697	138.2	0.533
325	7.265	34.170	26.728	135.6	0.568
350	6.782	34.146	26.776	131.1	0.601
375	6.447	34.108	26.790	129.8	0.634
400	6.496	34.174	26.836	125.9	0.666
425	6.262	34.186	26.876	122.2	0.697
450	6.209	34.209	26.901	120.2	0.727
475	6.111	34.226	26.927	117.9	0.757
499	5.851	34.217	26.953	115.5	0.785



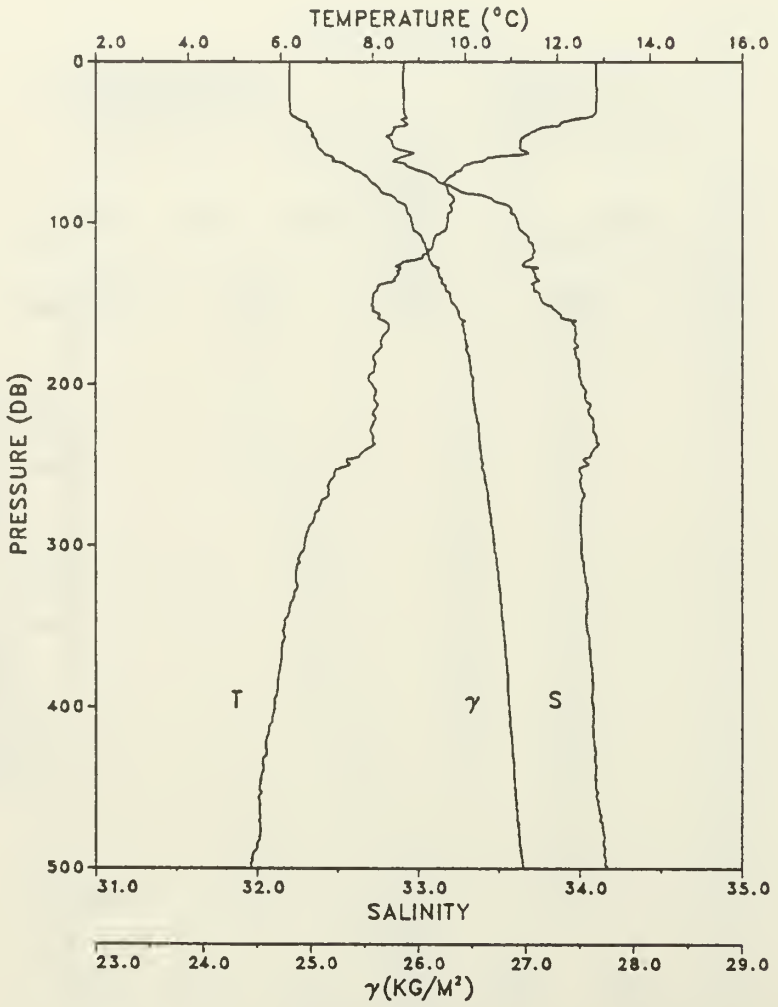
STATION: 24 LAT: 38 31.3 N LON: 124 14.3 W
DATE: 6/18/87 TIME: 0500Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.412	32.936	24.909	303.5	0.000
5	12.409	32.936	24.910	303.5	0.012
10	12.406	32.937	24.911	303.5	0.027
15	12.407	32.938	24.911	303.5	0.042
20	12.392	32.939	24.915	303.3	0.058
25	12.363	32.940	24.921	302.8	0.073
30	11.880	32.935	25.009	294.6	0.088
35	11.384	32.997	25.148	281.5	0.102
40	10.147	33.029	25.389	258.6	0.116
45	9.777	33.114	25.517	246.4	0.128
50	9.594	33.289	25.684	230.7	0.140
60	9.793	33.580	25.878	212.4	0.162
70	9.578	33.871	26.141	187.6	0.182
80	9.379	33.921	26.213	181.0	0.201
90	9.224	33.954	26.264	176.4	0.219
100	9.042	33.996	26.326	170.6	0.236
125	8.906	34.029	26.373	166.6	0.278
150	8.787	34.033	26.395	164.9	0.320
175	8.544	34.061	26.454	159.6	0.360
200	8.301	34.086	26.511	154.6	0.399
225	8.162	34.097	26.541	152.2	0.438
250	8.054	34.103	26.562	150.6	0.476
275	7.919	34.118	26.593	147.9	0.513
300	7.711	34.121	26.626	145.1	0.550
325	7.396	34.126	26.675	140.7	0.585
350	7.163	34.131	26.712	137.4	0.620
375	7.108	34.149	26.734	135.7	0.654
400	6.838	34.145	26.768	132.6	0.688
425	6.545	34.145	26.807	129.0	0.720
450	6.375	34.156	26.838	126.3	0.752
475	6.246	34.186	26.878	122.7	0.783
499	6.139	34.203	26.905	120.3	0.813



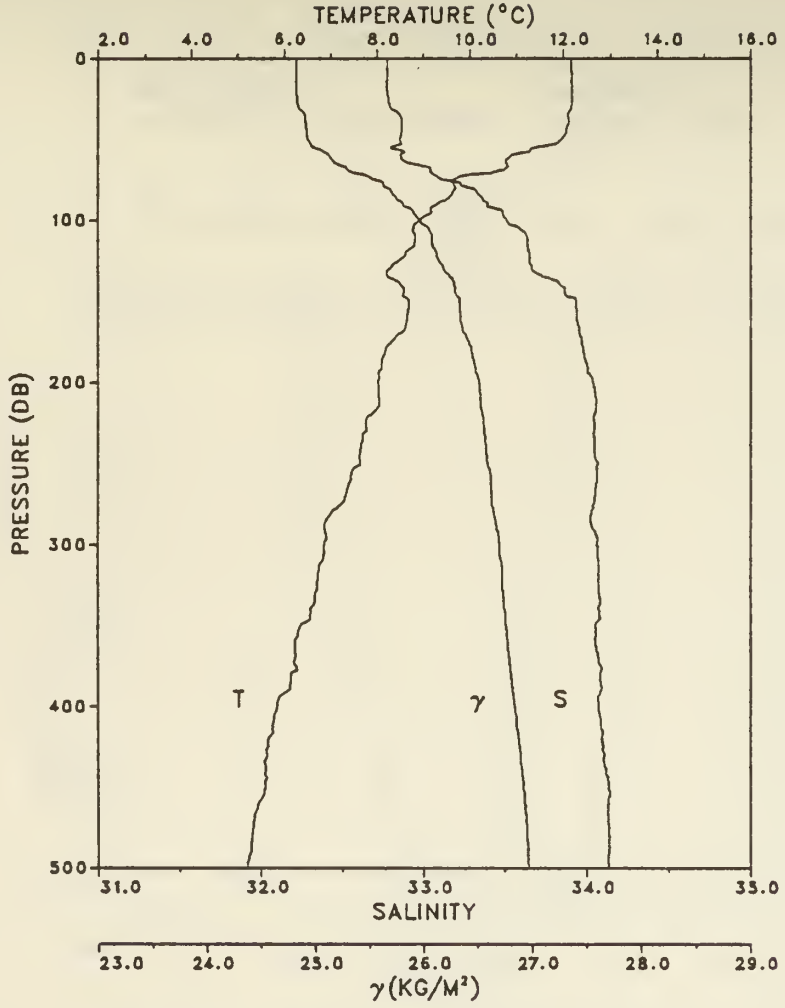
STATION: 25 LAT: 38 36.1 N LON: 124 21.2 W
DATE: 6/18/87 TIME: 0700Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.570	32.922	24.868	307.4	0.000
5	12.576	32.922	24.867	307.6	0.012
10	12.574	32.922	24.867	307.7	0.028
15	12.574	32.923	24.868	307.7	0.043
20	12.575	32.924	24.868	307.8	0.058
25	12.578	32.923	24.867	308.0	0.074
30	12.467	32.939	24.901	304.9	0.089
35	11.843	32.987	25.056	290.2	0.104
40	10.732	33.039	25.296	267.4	0.118
45	10.042	33.048	25.421	255.6	0.131
50	9.836	33.225	25.594	239.2	0.143
60	9.959	33.392	25.704	229.0	0.167
70	9.798	33.643	25.927	208.0	0.189
80	9.789	33.812	26.060	195.6	0.209
90	9.476	33.904	26.184	184.0	0.228
100	9.377	33.924	26.215	181.1	0.246
125	8.964	34.010	26.349	168.9	0.290
150	8.852	34.029	26.381	166.2	0.332
175	8.672	34.058	26.432	161.8	0.373
200	8.486	34.071	26.471	158.5	0.413
225	8.194	34.096	26.535	152.7	0.452
250	7.937	34.116	26.589	147.9	0.489
275	7.719	34.117	26.622	145.1	0.526
300	7.492	34.121	26.658	142.0	0.562
325	7.214	34.130	26.704	137.8	0.597
350	7.042	34.143	26.738	134.9	0.631
375	6.900	34.157	26.769	132.2	0.664
400	6.628	34.145	26.796	129.8	0.697
425	6.326	34.147	26.837	126.0	0.729
450	6.138	34.160	26.872	122.9	0.760
475	5.998	34.180	26.905	119.9	0.790
499	5.777	34.188	26.939	116.8	0.819



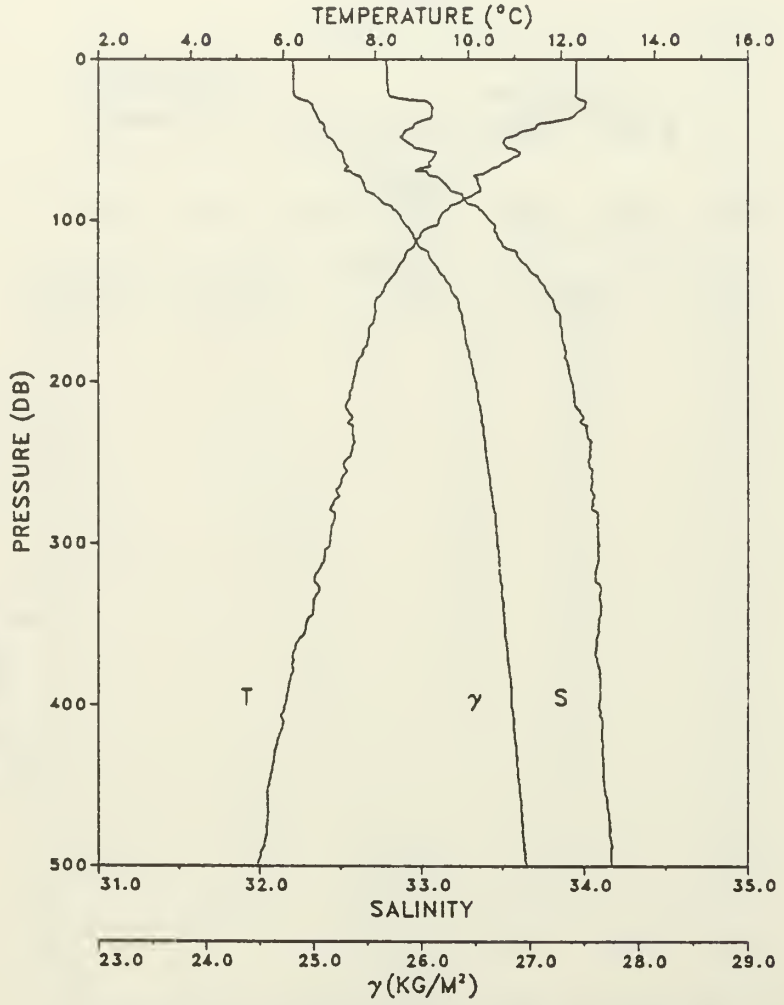
STATION: 27 LAT: 38 47.3 N LON: 124 38.0 W
DATE: 6/18/87 TIME: 1100Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.839	32.903	24.801	313.8	0.000
5	12.844	32.903	24.800	313.9	0.013
10	12.842	32.900	24.798	314.2	0.028
15	12.845	32.901	24.798	314.3	0.044
20	12.847	32.904	24.800	314.3	0.060
25	12.844	32.905	24.801	314.3	0.075
30	12.838	32.908	24.805	314.0	0.091
35	12.608	32.925	24.863	308.6	0.107
40	12.036	32.909	24.959	299.5	0.122
45	11.382	32.832	25.020	293.8	0.137
50	11.209	32.833	25.052	290.9	0.151
60	10.479	32.874	25.212	275.8	0.180
70	9.775	33.065	25.479	250.5	0.206
80	9.644	33.247	25.643	235.1	0.230
90	9.691	33.561	25.880	212.8	0.253
100	9.610	33.616	25.937	207.6	0.274
125	8.623	33.652	26.122	190.3	0.323
150	7.984	33.779	26.318	172.0	0.369
175	8.180	33.978	26.445	160.4	0.410
200	8.004	34.008	26.494	156.1	0.450
225	8.004	34.085	26.555	150.8	0.488
250	7.507	34.045	26.596	147.1	0.525
275	6.854	34.003	26.653	141.6	0.562
300	6.523	34.006	26.700	137.4	0.596
325	6.371	34.044	26.750	132.9	0.630
350	6.092	34.042	26.784	129.8	0.663
375	5.989	34.070	26.819	126.7	0.695
400	5.875	34.079	26.841	124.9	0.726
425	5.684	34.092	26.875	121.8	0.757
450	5.541	34.097	26.896	120.0	0.788
475	5.557	34.140	26.928	117.3	0.817
499	5.373	34.169	26.973	113.1	0.845



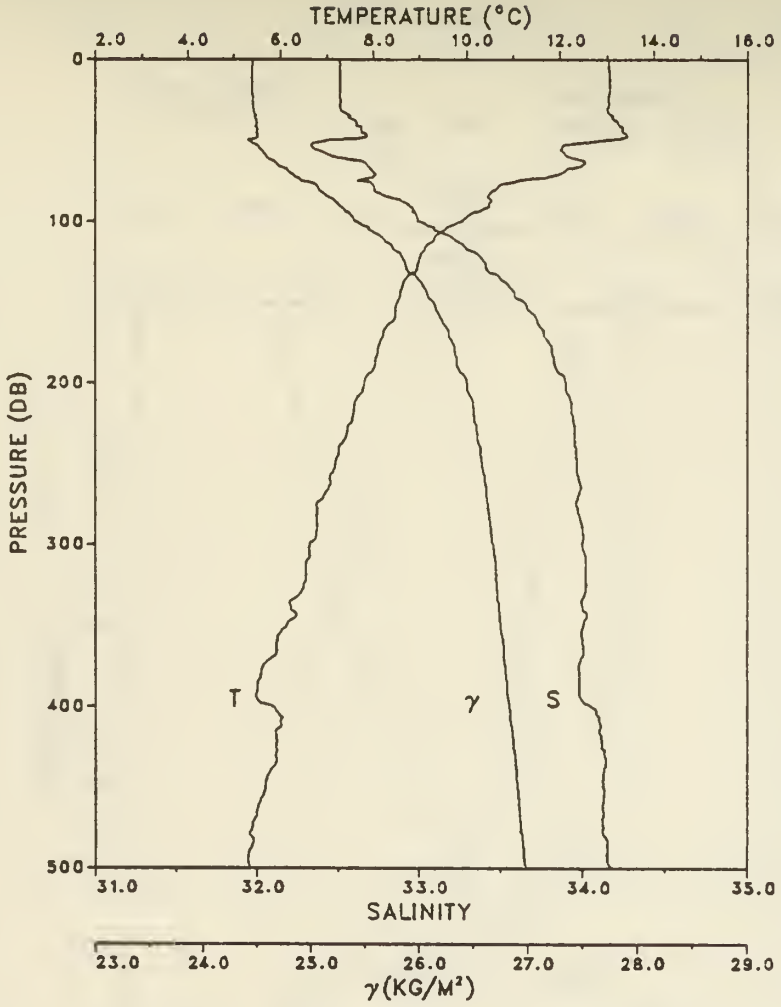
STATION: 28 LAT: 38 52.3 N LON: 124 45.9 W
DATE: 6/18/87 TIME: 1200Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM. DYN
1	12.174	32.776	24.830	311.0	0.000
5	12.175	32.775	24.829	311.2	0.012
10	12.177	32.775	24.829	311.3	0.028
15	12.176	32.773	24.827	311.5	0.044
20	12.177	32.775	24.829	311.5	0.059
25	12.180	32.785	24.836	311.0	0.075
30	12.172	32.797	24.847	310.0	0.090
35	12.091	32.855	24.907	304.4	0.106
40	12.108	32.866	24.912	304.0	0.121
45	12.059	32.866	24.922	303.2	0.136
50	11.953	32.856	24.934	302.2	0.151
60	10.897	32.858	25.126	284.0	0.180
70	10.622	33.039	25.315	266.2	0.208
80	9.696	33.278	25.658	233.7	0.233
90	9.325	33.398	25.812	219.2	0.256
100	8.899	33.513	25.970	204.3	0.277
125	8.458	33.651	26.146	187.9	0.326
150	8.689	33.933	26.332	170.9	0.371
175	8.310	33.972	26.420	162.8	0.412
200	8.022	34.039	26.516	154.0	0.452
225	7.763	34.046	26.560	150.2	0.490
250	7.644	34.067	26.593	147.4	0.527
275	7.216	34.035	26.629	144.1	0.564
300	6.860	34.064	26.701	137.5	0.599
325	6.714	34.073	26.727	135.2	0.633
350	6.346	34.051	26.759	132.4	0.666
375	6.256	34.087	26.799	128.9	0.699
400	5.850	34.074	26.840	124.9	0.731
425	5.645	34.099	26.885	120.8	0.761
450	5.587	34.133	26.919	117.9	0.791
475	5.328	34.137	26.953	114.7	0.820
499	5.206	34.134	26.965	113.7	0.848



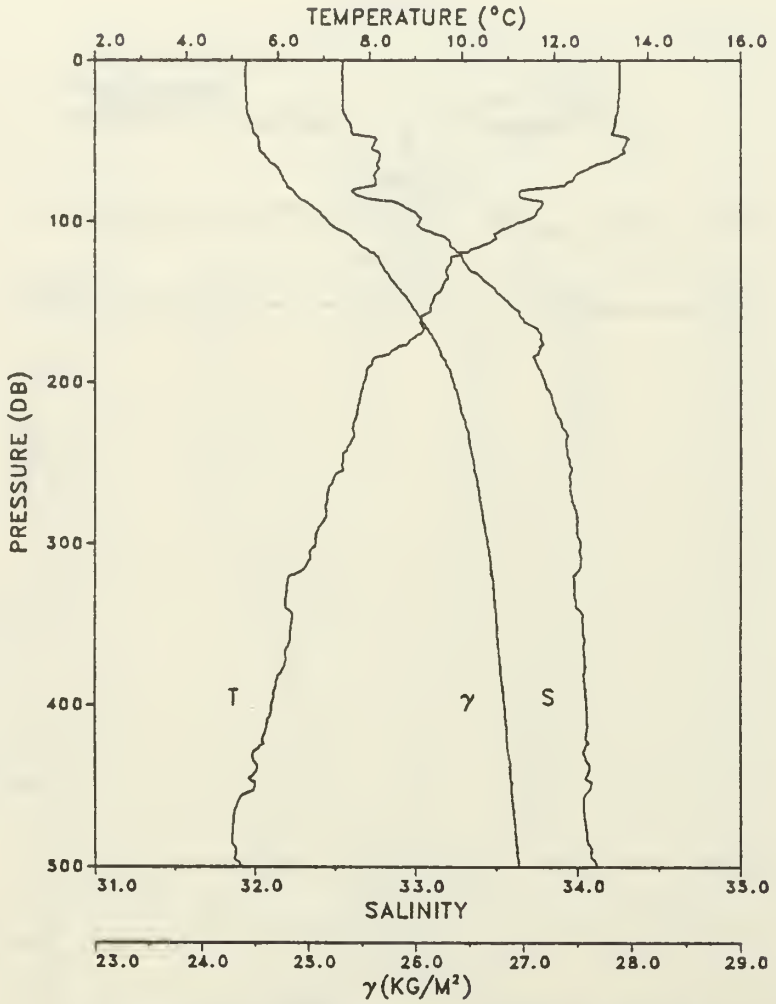
STATION: 29 LAT: 38 57.4 N LON: 124 52.7 W
DATE: 6/18/87 TIME: 1400Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.319	32.784	24.809	313.0	0.000
5	12.319	32.787	24.811	312.9	0.013
10	12.320	32.786	24.810	313.1	0.028
15	12.321	32.788	24.812	313.1	0.044
20	12.320	32.791	24.814	312.9	0.059
25	12.415	32.916	24.893	305.5	0.075
30	12.507	33.069	24.994	296.1	0.090
35	12.273	33.063	25.034	292.3	0.105
40	11.549	32.955	25.085	287.5	0.119
45	11.152	32.891	25.107	285.5	0.134
50	10.777	32.890	25.172	279.4	0.148
60	11.064	33.081	25.270	270.3	0.175
70	10.418	33.034	25.347	263.2	0.202
80	10.266	33.170	25.479	250.8	0.227
90	9.727	33.289	25.662	233.5	0.252
100	9.361	33.423	25.826	218.0	0.274
125	8.592	33.612	26.095	192.8	0.326
150	8.002	33.809	26.338	170.0	0.371
175	7.834	33.865	26.407	163.9	0.413
200	7.512	33.925	26.501	155.3	0.453
225	7.400	33.976	26.557	150.3	0.491
250	7.318	34.027	26.608	145.8	0.528
275	7.084	34.050	26.659	141.2	0.564
300	7.003	34.084	26.697	138.0	0.599
325	6.727	34.091	26.740	134.1	0.633
350	6.506	34.086	26.765	131.9	0.666
375	6.200	34.084	26.804	128.4	0.698
400	6.033	34.090	26.830	126.1	0.730
425	5.857	34.114	26.871	122.4	0.761
450	5.675	34.122	26.899	119.8	0.791
475	5.652	34.157	26.930	117.2	0.821
499	5.433	34.170	26.967	113.8	0.849



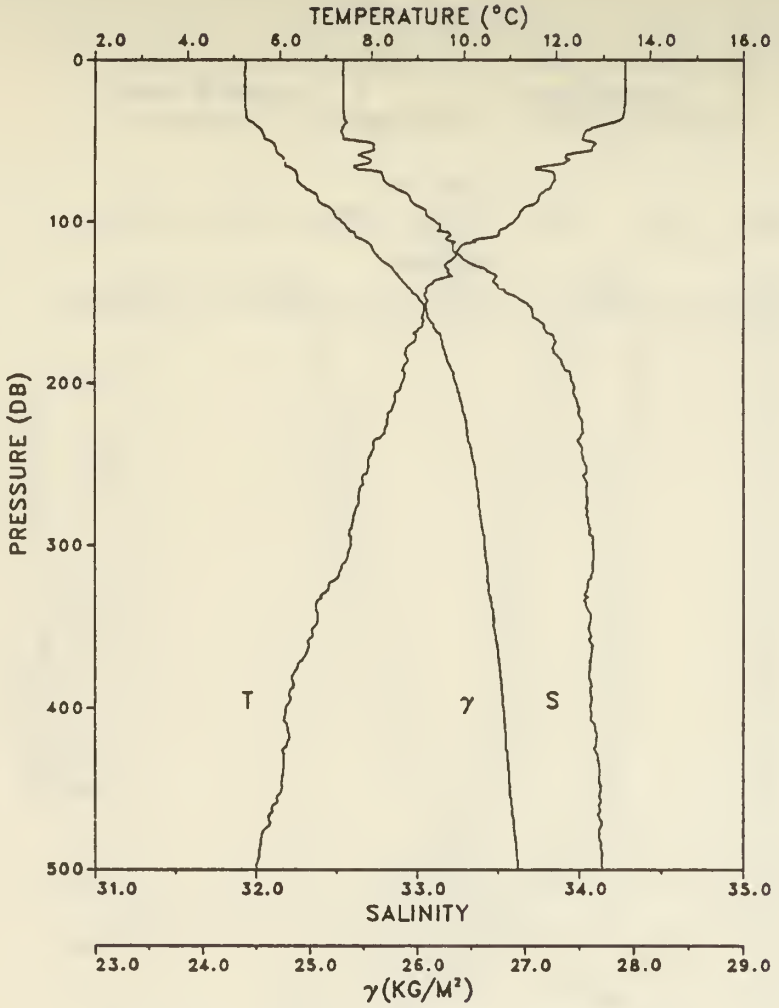
STATION: 30 LAT: 39 3.0 N LON: 125 0.7 W
DATE: 6/18/87 TIME: 1600Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.041	32.510	24.457	346.5	0.000
5	13.048	32.509	24.455	346.8	0.014
10	13.054	32.509	24.454	347.0	0.031
15	13.054	32.509	24.454	347.1	0.049
20	13.054	32.509	24.454	347.3	0.066
25	13.033	32.511	24.459	346.8	0.083
30	13.009	32.513	24.466	346.4	0.101
35	13.125	32.572	24.488	344.3	0.118
40	13.241	32.613	24.497	343.6	0.135
45	13.334	32.641	24.500	343.4	0.152
50	12.961	32.440	24.419	351.3	0.170
60	12.158	32.457	24.586	335.5	0.204
70	12.048	32.716	24.807	314.7	0.236
80	10.641	32.725	25.068	289.9	0.267
90	10.484	32.935	25.258	272.0	0.295
100	9.898	32.990	25.400	258.6	0.321
125	8.983	33.396	25.865	214.7	0.380
150	8.506	33.641	26.131	189.8	0.431
175	8.154	33.791	26.302	173.9	0.477
200	7.800	33.896	26.436	161.5	0.518
225	7.519	33.942	26.513	154.5	0.558
250	7.187	33.963	26.576	148.7	0.596
275	6.777	33.961	26.631	143.7	0.632
300	6.636	33.998	26.679	139.4	0.668
325	6.506	34.020	26.713	136.4	0.702
350	6.131	34.002	26.748	133.2	0.736
375	5.626	33.975	26.789	129.2	0.769
400	5.840	34.053	26.824	126.4	0.801
425	5.912	34.117	26.866	122.8	0.832
450	5.672	34.125	26.902	119.5	0.862
475	5.396	34.124	26.935	116.5	0.892
499	5.334	34.164	26.974	113.0	0.919



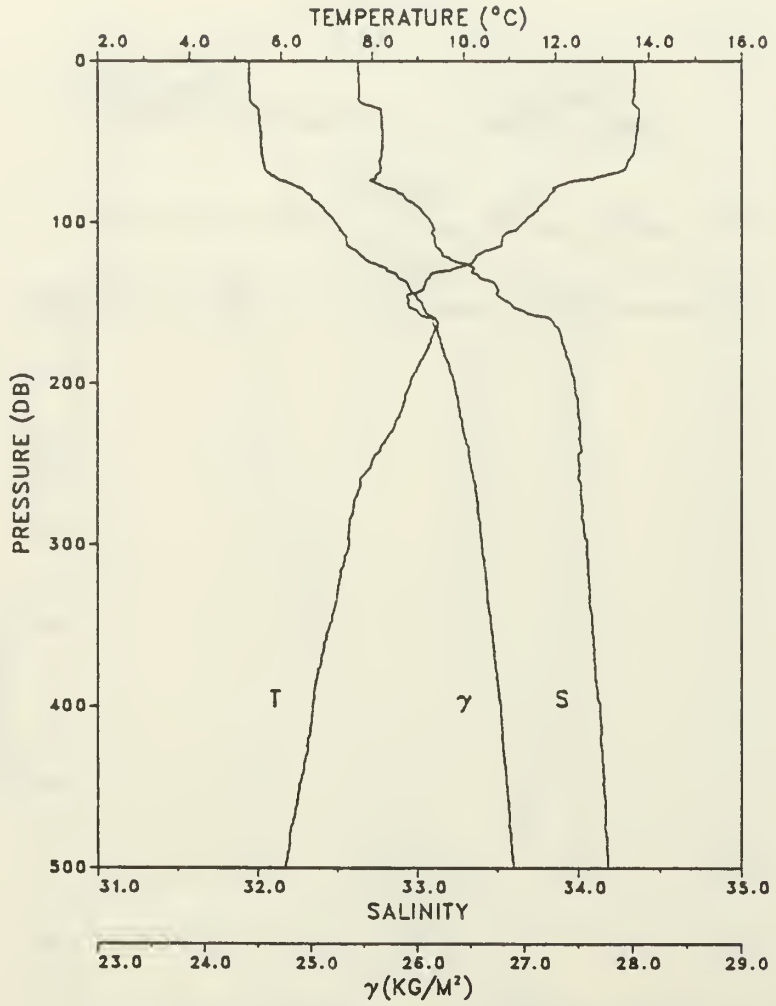
STATION: 31 LAT: 39 8.2 N LON: 125 7.5 W
DATE: 6/18/87 TIME: 1800Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.403	32.545	24.412	350.8	0.000
5	13.408	32.545	24.411	351.0	0.014
10	13.405	32.545	24.412	351.0	0.032
15	13.408	32.545	24.411	351.2	0.049
20	13.390	32.546	24.416	350.9	0.067
25	13.377	32.547	24.419	350.7	0.084
30	13.373	32.547	24.420	350.7	0.102
35	13.324	32.564	24.443	348.7	0.119
40	13.300	32.597	24.473	345.9	0.137
45	13.232	32.604	24.492	344.2	0.154
50	13.560	32.747	24.537	340.1	0.171
60	13.362	32.777	24.600	334.3	0.205
70	12.549	32.749	24.738	321.3	0.237
80	11.547	32.630	24.833	312.4	0.269
90	11.719	32.903	25.013	295.4	0.300
100	11.331	33.023	25.177	280.0	0.328
125	9.757	33.296	25.662	234.1	0.393
150	9.367	33.572	25.942	208.0	0.448
175	8.850	33.782	26.188	184.9	0.497
200	7.855	33.798	26.351	169.5	0.541
225	7.640	33.898	26.461	159.5	0.582
250	7.402	33.947	26.534	152.9	0.621
275	7.052	33.968	26.599	146.9	0.659
300	6.819	34.017	26.669	140.5	0.695
325	6.202	33.978	26.720	135.6	0.729
350	6.289	34.032	26.751	133.0	0.763
375	6.143	34.046	26.781	130.4	0.796
400	5.853	34.053	26.823	126.5	0.828
425	5.620	34.046	26.846	124.5	0.859
450	5.495	34.080	26.888	120.7	0.890
475	5.013	34.053	26.923	117.1	0.920
499	5.163	34.115	26.955	114.6	0.948



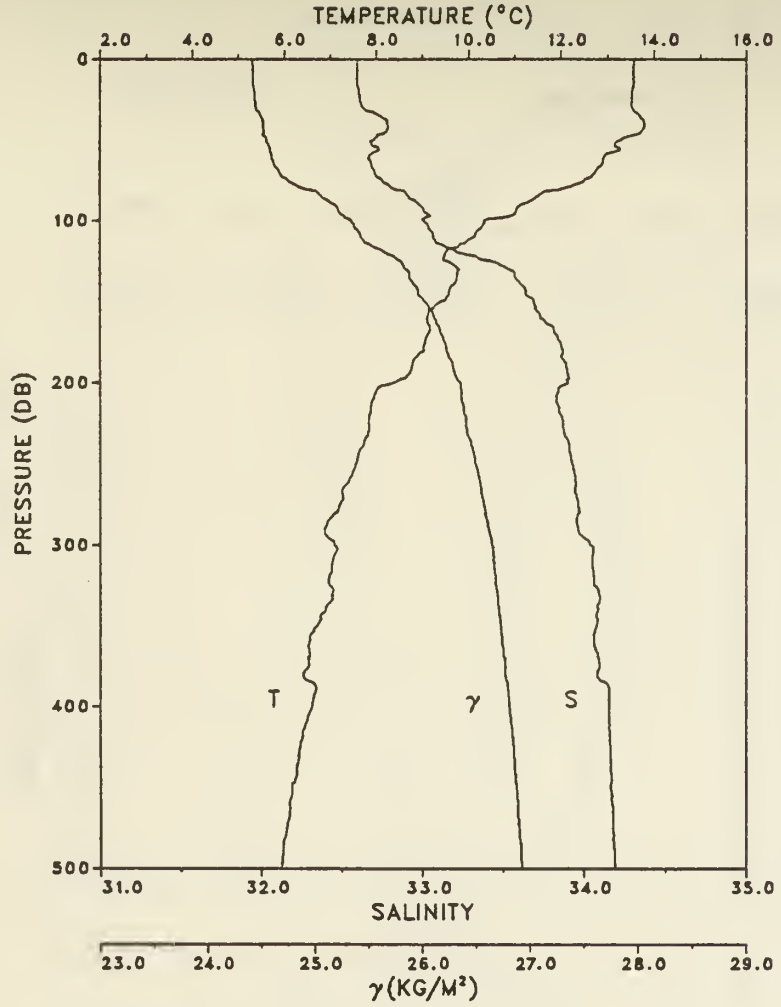
STATION: 32 LAT: 39 3.4 N LON: 125 15.8 W
DATE: 6/18/87 TIME: 2000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.470	32.535	24.391	352.8	0.000
5	13.470	32.535	24.391	352.9	0.014
10	13.475	32.535	24.390	353.1	0.032
15	13.476	32.535	24.390	353.2	0.049
20	13.474	32.535	24.390	353.3	0.067
25	13.475	32.536	24.391	353.4	0.085
30	13.452	32.538	24.397	352.9	0.102
35	13.428	32.540	24.403	352.4	0.120
40	13.078	32.549	24.480	345.2	0.137
45	12.590	32.527	24.558	337.9	0.155
50	12.643	32.621	24.620	332.1	0.171
60	12.188	32.658	24.736	321.2	0.204
70	11.948	32.775	24.872	308.5	0.235
80	11.825	32.864	24.964	300.0	0.266
90	11.482	32.987	25.122	285.1	0.295
100	11.081	33.112	25.292	269.1	0.323
125	9.686	33.305	25.681	232.3	0.386
150	9.193	33.666	26.043	198.3	0.439
175	8.899	33.849	26.233	180.7	0.487
200	8.655	33.962	26.360	169.1	0.530
225	8.335	34.019	26.453	160.5	0.572
250	7.929	34.033	26.525	154.0	0.611
275	7.705	34.043	26.566	150.4	0.649
300	7.543	34.082	26.620	145.6	0.686
325	7.077	34.052	26.662	141.7	0.722
350	6.755	34.057	26.709	137.3	0.757
375	6.392	34.066	26.765	132.2	0.791
400	6.137	34.068	26.799	129.1	0.823
425	6.088	34.088	26.821	127.3	0.855
450	6.048	34.130	26.859	123.9	0.887
475	5.689	34.120	26.896	120.4	0.917
499	5.488	34.138	26.935	116.8	0.946



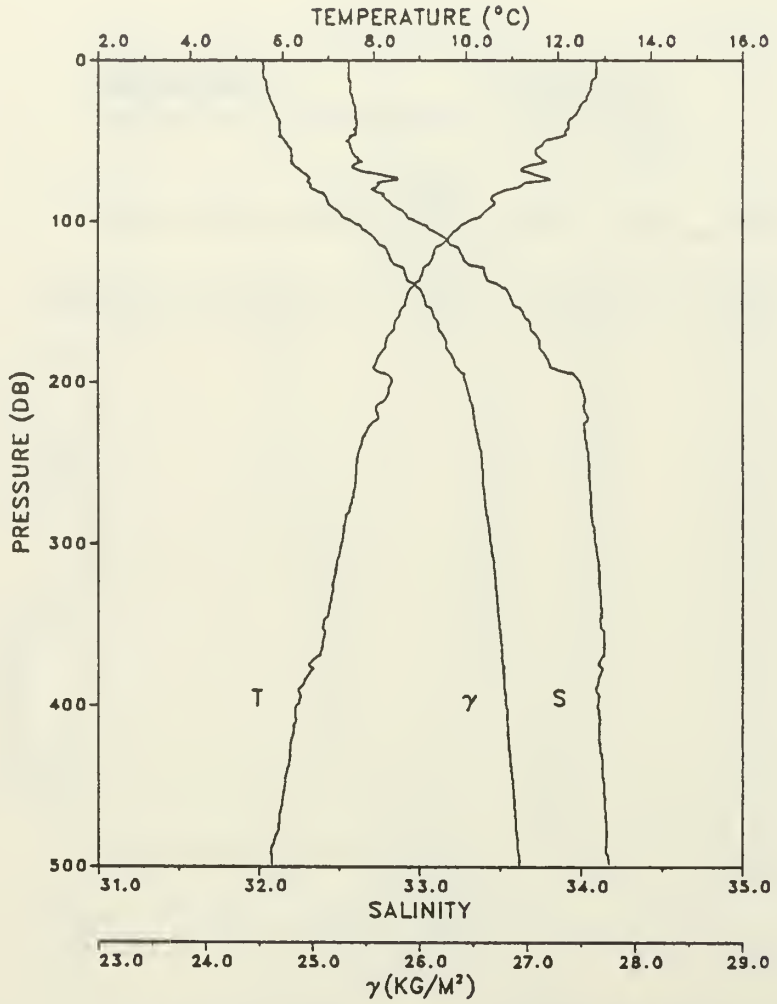
STATION: 33 LAT: 38 57.9 N LON: 125 25.8 W
DATE: 6/18/87 TIME: 2100Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.702	32.626	24.415	350.5	0.000
6	13.702	32.626	24.415	350.7	0.018
10	13.715	32.628	24.414	350.9	0.032
15	13.690	32.629	24.419	350.4	0.049
20	13.686	32.629	24.420	350.5	0.067
25	13.663	32.633	24.428	349.9	0.084
30	13.800	32.767	24.504	342.8	0.101
35	13.788	32.771	24.509	342.4	0.119
40	13.762	32.773	24.516	341.8	0.136
45	13.738	32.777	24.524	341.2	0.153
50	13.724	32.776	24.526	341.1	0.170
60	13.614	32.767	24.542	339.9	0.204
70	13.234	32.754	24.608	333.8	0.238
80	11.977	32.858	24.931	303.1	0.269
90	11.659	32.988	25.091	288.1	0.299
100	11.308	33.078	25.224	275.5	0.327
125	10.197	33.251	25.554	244.6	0.392
150	8.775	33.578	26.040	198.5	0.448
175	9.264	33.902	26.216	182.4	0.495
200	8.831	33.973	26.341	170.9	0.539
225	8.503	34.009	26.420	163.8	0.581
250	7.973	34.003	26.495	156.8	0.621
275	7.600	34.021	26.564	150.5	0.660
300	7.497	34.051	26.602	147.3	0.697
325	7.268	34.065	26.645	143.4	0.733
350	7.069	34.085	26.689	139.5	0.769
375	6.866	34.099	26.727	136.1	0.803
400	6.694	34.130	26.775	131.8	0.837
425	6.586	34.142	26.799	129.8	0.869
450	6.397	34.156	26.835	126.6	0.901
475	6.220	34.161	26.862	124.2	0.933
499	6.094	34.182	26.895	121.3	0.962



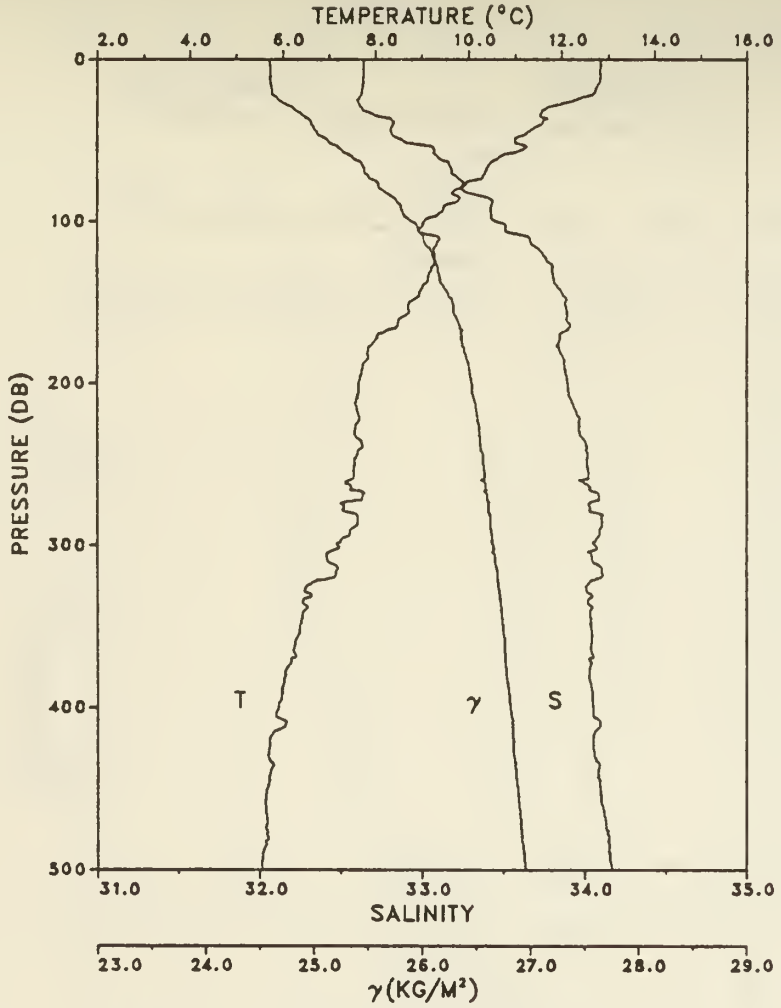
STATION: 34 LAT: 38 50.8 N LON: 125 21.9 W
DATE: 6/18/87 TIME: 2300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.568	32.596	24.419	350.2	0.000
5	13.559	32.597	24.421	350.0	0.014
10	13.564	32.597	24.420	350.2	0.032
15	13.565	32.597	24.420	350.4	0.049
20	13.530	32.608	24.436	349.0	0.067
25	13.526	32.612	24.439	348.8	0.084
30	13.534	32.630	24.452	347.7	0.101
35	13.693	32.731	24.498	343.5	0.119
40	13.794	32.784	24.518	341.7	0.136
45	13.714	32.771	24.524	341.2	0.153
50	13.297	32.697	24.551	338.7	0.170
60	12.940	32.670	24.601	334.2	0.203
70	12.727	32.705	24.669	327.9	0.237
80	12.069	32.814	24.879	308.0	0.268
90	11.155	32.978	25.174	280.1	0.298
100	10.325	33.007	25.342	264.2	0.325
125	9.542	33.427	25.800	221.0	0.386
150	9.383	33.684	26.027	200.0	0.438
175	9.055	33.855	26.213	182.7	0.486
200	8.377	33.902	26.355	169.4	0.530
225	7.839	33.869	26.409	164.4	0.572
250	7.558	33.931	26.499	156.2	0.612
275	7.213	33.962	26.572	149.5	0.650
300	7.088	34.040	26.651	142.4	0.687
325	6.991	34.067	26.685	139.4	0.722
350	6.704	34.075	26.730	135.3	0.756
375	6.519	34.095	26.771	131.7	0.790
400	6.599	34.157	26.809	128.5	0.822
425	6.339	34.163	26.848	125.0	0.854
450	6.154	34.166	26.874	122.6	0.885
475	6.047	34.181	26.900	120.5	0.915
499	5.931	34.191	26.922	118.5	0.944



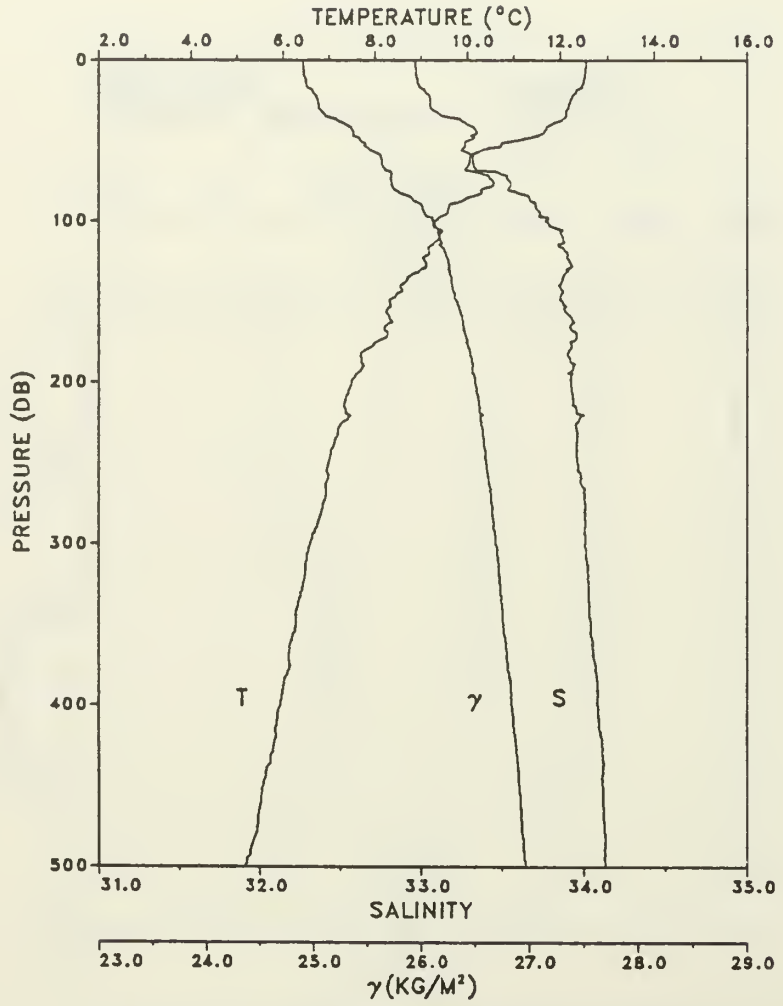
STATION: 35 LAT: 38 44.3 N LON: 125 16.6 W
DATE: 6/19/87 TIME: 0000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.825	32.558	24.536	338.9	0.000
5	12.823	32.559	24.538	338.9	0.014
10	12.823	32.558	24.537	339.1	0.031
15	12.705	32.565	24.565	336.5	0.047
20	12.650	32.569	24.579	335.3	0.064
25	12.577	32.581	24.602	333.2	0.081
30	12.453	32.596	24.638	330.0	0.097
35	12.321	32.595	24.662	327.7	0.114
40	12.212	32.606	24.691	325.1	0.130
45	12.153	32.600	24.697	324.6	0.146
50	11.710	32.544	24.736	320.9	0.163
60	11.590	32.595	24.798	315.3	0.194
70	11.355	32.669	24.898	305.9	0.226
80	10.947	32.700	24.995	296.9	0.256
90	10.604	32.826	25.153	282.0	0.285
100	10.039	32.977	25.366	261.8	0.312
125	9.236	33.282	25.736	227.0	0.373
150	8.686	33.576	26.052	197.3	0.426
175	8.261	33.740	26.246	179.3	0.473
200	8.374	33.993	26.427	162.6	0.516
225	7.955	34.020	26.511	154.9	0.555
250	7.627	34.045	26.579	148.8	0.593
275	7.507	34.057	26.605	146.6	0.630
300	7.288	34.087	26.650	141.7	0.666
325	7.092	34.111	26.706	137.5	0.701
350	6.893	34.120	26.740	134.5	0.735
375	6.566	34.106	26.773	131.5	0.768
400	6.297	34.098	26.802	128.9	0.801
425	6.185	34.115	26.830	126.5	0.833
450	6.048	34.139	26.866	123.3	0.864
475	5.923	34.155	26.895	120.8	0.895
499	5.770	34.168	26.924	118.2	0.923



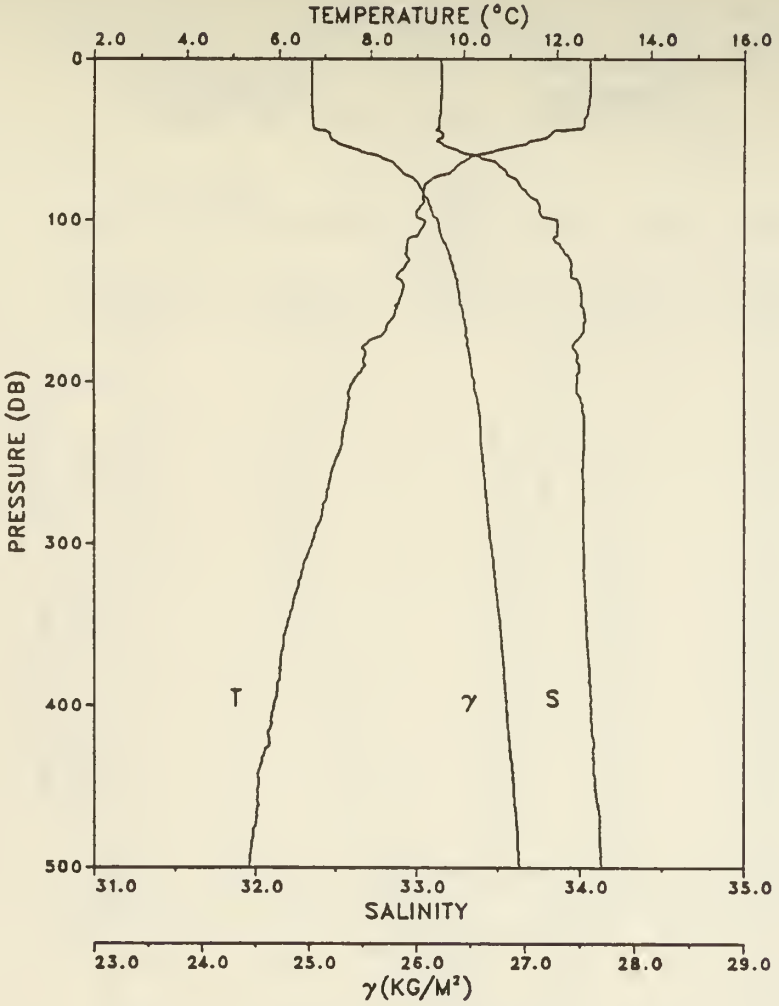
STATION: 36 LAT: 38 37.0 N LON: 125 11.9 W
DATE: 6/19/87 TIME: 0100Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.839	32.638	24.596	333.3	0.000
5	12.834	32.638	24.597	333.3	0.013
10	12.838	32.640	24.597	333.3	0.030
15	12.797	32.635	24.602	333.1	0.047
20	12.710	32.631	24.615	331.9	0.063
25	12.305	32.599	24.668	326.9	0.080
30	11.667	32.628	24.809	313.6	0.096
35	11.519	32.707	24.898	305.2	0.111
40	11.571	32.823	24.978	297.7	0.126
45	11.288	32.814	25.023	293.6	0.141
50	10.992	32.881	25.128	283.7	0.156
60	10.694	33.091	25.343	263.3	0.183
70	10.355	33.179	25.471	251.4	0.209
80	9.782	33.233	25.609	238.4	0.233
90	9.524	33.425	25.801	220.2	0.256
100	9.039	33.442	25.892	211.7	0.278
125	9.294	33.768	26.107	191.9	0.328
150	8.721	33.874	26.281	175.7	0.374
175	7.942	33.837	26.369	167.5	0.417
200	7.639	33.894	26.458	159.4	0.458
225	7.590	33.963	26.519	153.9	0.497
250	7.547	34.014	26.566	149.9	0.535
275	7.311	34.021	26.605	146.5	0.572
300	7.197	34.069	26.658	141.7	0.608
325	6.506	34.009	26.705	137.3	0.643
350	6.374	34.036	26.743	133.9	0.677
375	6.093	34.031	26.775	130.9	0.710
400	5.897	34.051	26.816	127.3	0.742
425	5.703	34.053	26.841	125.0	0.774
450	5.653	34.095	26.881	121.5	0.804
475	5.623	34.131	26.913	118.8	0.834
499	5.537	34.165	26.950	115.4	0.863



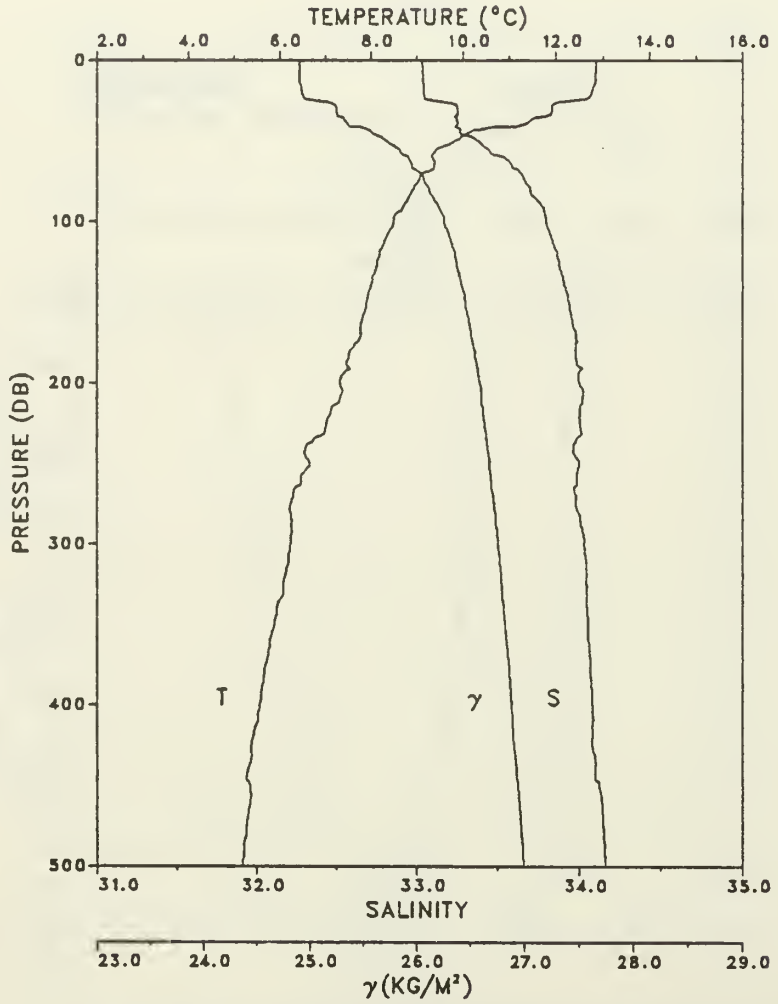
STATION: 37 LAT: 38 30.0 N LON: 125 8.2 W
DATE: 6/19/87 TIME: 0300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.542	32.963	24.905	303.8	0.000
5	12.534	32.967	24.910	303.5	0.012
10	12.527	32.969	24.912	303.3	0.027
15	12.481	32.981	24.931	301.7	0.042
20	12.340	33.027	24.993	295.9	0.057
25	12.213	33.059	25.042	291.3	0.072
30	12.167	33.058	25.050	290.7	0.087
35	12.109	33.130	25.117	284.4	0.101
40	11.820	33.284	25.291	268.0	0.115
45	11.656	33.346	25.369	260.6	0.128
50	11.111	33.298	25.431	254.8	0.141
60	10.058	33.321	25.632	235.9	0.165
70	10.162	33.462	25.724	227.3	0.189
80	10.352	33.537	25.750	225.0	0.211
90	9.618	33.706	26.006	200.9	0.233
100	9.282	33.763	26.105	191.6	0.252
125	9.100	33.916	26.254	177.9	0.298
150	8.326	33.869	26.337	170.2	0.342
175	8.032	33.917	26.419	162.8	0.383
200	7.482	33.919	26.500	155.3	0.423
225	7.278	33.955	26.557	150.2	0.461
250	6.978	33.960	26.603	146.1	0.498
275	6.872	34.006	26.653	141.6	0.534
300	6.588	34.005	26.691	138.3	0.569
325	6.434	34.028	26.729	134.9	0.604
350	6.282	34.042	26.760	132.2	0.637
375	6.155	34.070	26.798	128.8	0.670
400	5.935	34.084	26.837	125.3	0.701
425	5.800	34.113	26.877	121.7	0.732
450	5.560	34.114	26.907	118.9	0.762
475	5.450	34.126	26.930	117.0	0.792
499	5.170	34.129	26.965	113.6	0.819



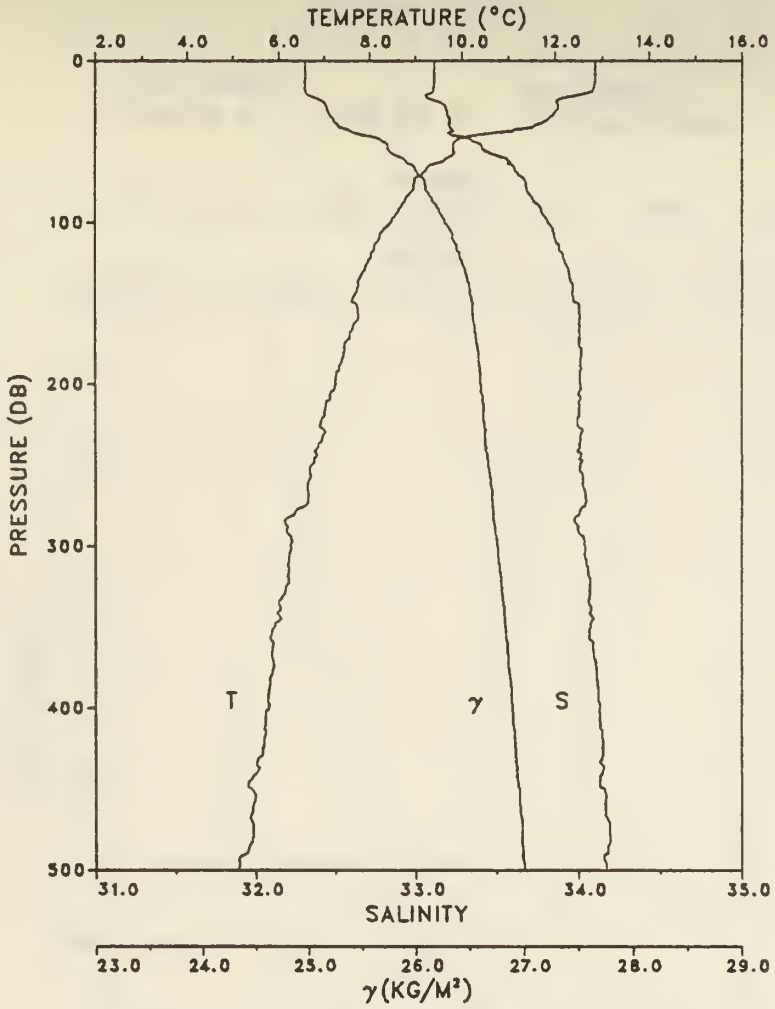
STATION: 38 LAT: 38 23.3 N LON: 125 4.0 W
DATE: 6/19/87 TIME: 0400Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.692	33.146	25.018	293.1	0.000
5	12.692	33.148	25.019	293.1	0.012
10	12.695	33.148	25.019	293.2	0.026
15	12.699	33.149	25.019	293.3	0.041
20	12.697	33.148	25.018	293.5	0.056
25	12.686	33.147	25.020	293.5	0.070
30	12.660	33.145	25.023	293.3	0.085
35	12.631	33.142	25.027	293.1	0.100
40	12.577	33.137	25.033	292.6	0.114
45	11.920	33.131	25.153	281.2	0.129
50	11.643	33.125	25.200	276.8	0.143
60	10.245	33.352	25.624	236.6	0.168
70	9.738	33.550	25.864	214.0	0.191
80	9.157	33.643	26.031	198.2	0.211
90	9.122	33.747	26.118	190.1	0.231
100	9.170	33.860	26.199	182.7	0.250
125	8.830	33.944	26.318	171.7	0.294
150	8.623	34.009	26.402	164.2	0.336
175	7.970	33.973	26.472	157.8	0.376
200	7.614	33.983	26.532	152.4	0.415
225	7.462	34.024	26.586	147.6	0.452
250	7.232	34.018	26.613	145.3	0.489
275	6.973	34.020	26.651	142.0	0.525
300	6.725	34.022	26.686	138.8	0.560
325	6.432	34.027	26.729	134.9	0.594
350	6.189	34.039	26.769	131.2	0.627
375	6.036	34.054	26.801	128.5	0.660
400	5.893	34.064	26.827	126.2	0.692
425	5.792	34.086	26.857	123.6	0.723
450	5.552	34.093	26.891	120.4	0.753
475	5.469	34.118	26.921	117.8	0.783
499	5.353	34.132	26.946	115.6	0.811



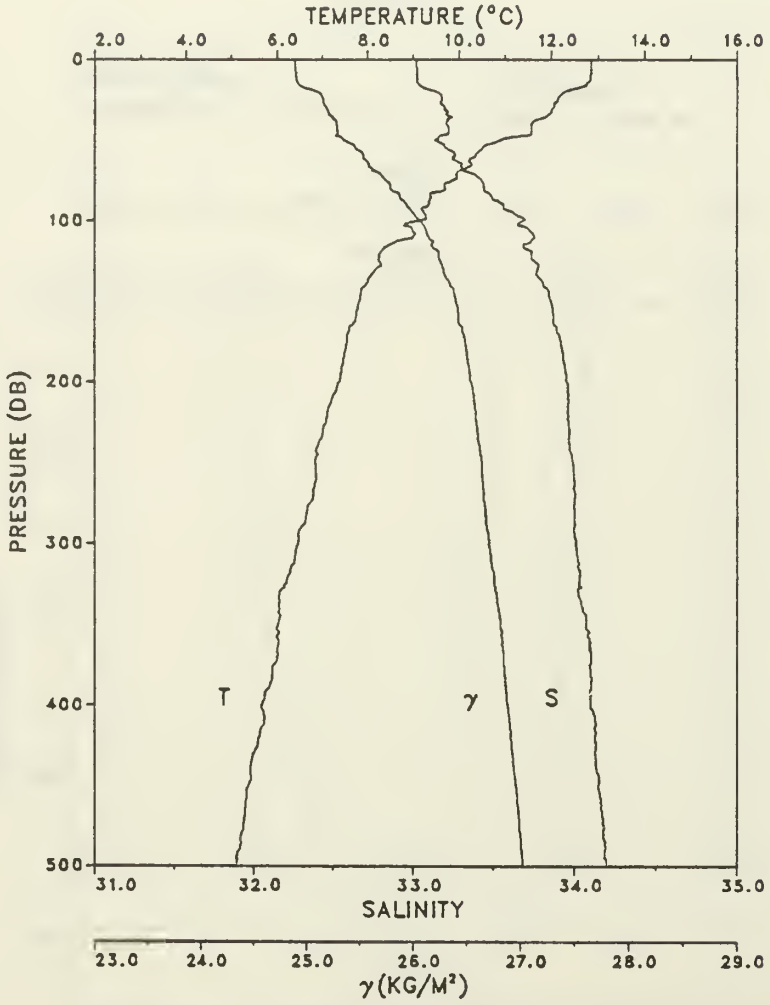
STATION: 39 LAT: 38 15.8 N LON: 125 0.0 W
DATE: 6/19/87 TIME: 0600Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.848	33.034	24.901	304.3	0.000
5	12.850	33.035	24.901	304.3	0.012
10	12.843	33.037	24.904	304.2	0.027
15	12.813	33.040	24.912	303.5	0.043
20	12.759	33.043	24.925	302.4	0.058
25	12.355	33.097	25.045	291.1	0.073
30	11.908	33.251	25.249	271.8	0.087
35	11.780	33.235	25.260	270.8	0.100
40	11.330	33.251	25.355	261.9	0.114
45	10.138	33.262	25.572	241.2	0.126
50	9.832	33.376	25.712	228.0	0.138
60	9.326	33.529	25.915	208.9	0.160
70	9.125	33.641	26.035	197.7	0.180
80	8.922	33.701	26.114	190.3	0.199
90	8.723	33.764	26.194	182.9	0.218
100	8.491	33.798	26.256	177.1	0.236
125	8.141	33.874	26.369	166.8	0.279
150	7.901	33.936	26.453	159.1	0.320
175	7.682	33.979	26.519	153.2	0.359
200	7.321	34.002	26.588	146.9	0.396
225	7.028	34.004	26.631	143.2	0.433
250	6.663	33.998	26.675	139.1	0.468
275	6.239	33.981	26.717	135.2	0.502
300	6.235	34.028	26.755	132.0	0.536
325	6.084	34.044	26.787	129.2	0.568
350	5.883	34.054	26.820	126.2	0.600
375	5.679	34.066	26.855	123.1	0.631
400	5.561	34.080	26.880	120.9	0.662
425	5.380	34.078	26.900	119.1	0.692
450	5.349	34.122	26.939	115.8	0.721
475	5.275	34.146	26.966	113.3	0.750
499	5.189	34.162	26.989	111.4	0.777



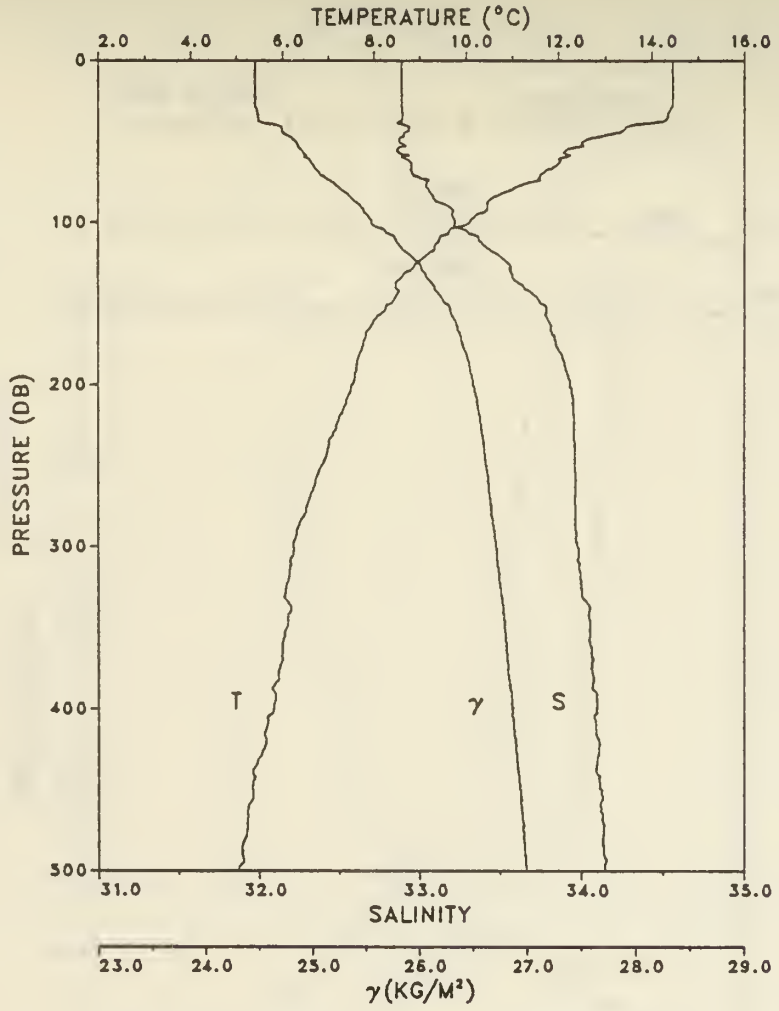
STATION: 40 LAT: 38 8.4 N LON: 124 55.9 W
DATE: 6/19/87 TIME: 0700Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.854	33.118	24.964	298.2	0.000
5	12.851	33.117	24.964	298.3	0.012
10	12.850	33.117	24.964	298.4	0.027
15	12.834	33.114	24.965	298.4	0.042
20	12.674	33.091	24.979	297.3	0.057
25	12.021	33.128	25.132	282.8	0.071
30	12.040	33.185	25.173	279.0	0.085
35	11.893	33.200	25.212	275.4	0.099
40	11.580	33.209	25.277	269.3	0.113
45	10.719	33.201	25.425	255.3	0.126
50	9.844	33.354	25.693	229.8	0.138
60	9.714	33.533	25.855	214.7	0.160
70	9.151	33.629	26.021	199.0	0.181
80	8.939	33.684	26.098	191.9	0.200
90	8.702	33.762	26.196	182.7	0.219
100	8.460	33.813	26.273	175.5	0.237
125	7.959	33.918	26.430	160.9	0.279
150	7.700	33.997	26.530	151.8	0.318
175	7.453	34.001	26.569	148.4	0.356
200	7.254	34.011	26.605	145.3	0.392
225	6.924	33.993	26.636	142.6	0.428
250	6.727	34.008	26.675	139.2	0.464
275	6.588	34.035	26.714	135.7	0.498
300	6.276	34.040	26.759	131.6	0.531
325	6.169	34.070	26.796	128.3	0.564
350	5.910	34.072	26.831	125.2	0.596
375	5.879	34.109	26.864	122.4	0.627
400	5.786	34.132	26.894	119.8	0.657
425	5.646	34.148	26.923	117.2	0.686
450	5.401	34.159	26.962	113.6	0.715
475	5.445	34.190	26.981	112.2	0.743
499	5.123	34.170	27.003	110.0	0.770



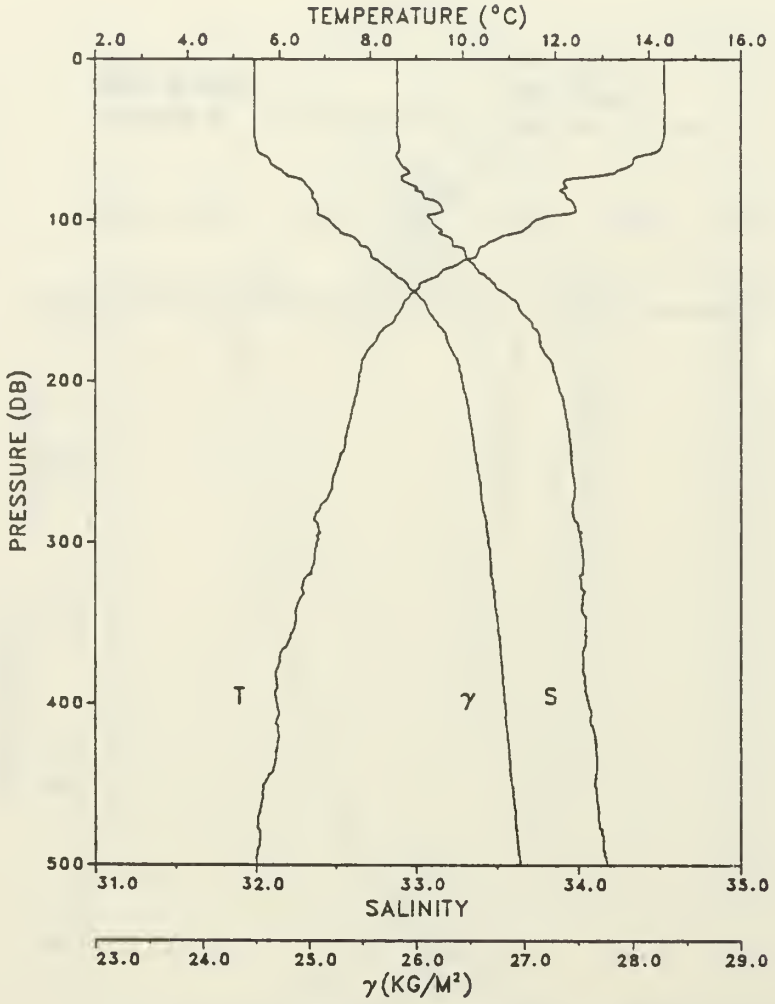
STATION: 41 LAT: 38 1.5 N LON: 124 51.8 W
DATE: 6/19/87 TIME: 0900Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.857	33.020	24.888	305.5	0.000
5	12.853	33.021	24.890	305.4	0.012
10	12.835	33.023	24.895	305.0	0.027
15	12.754	33.026	24.913	303.4	0.043
20	12.268	33.147	25.100	285.7	0.057
25	12.128	33.177	25.150	281.1	0.072
30	12.036	33.200	25.185	277.8	0.086
35	11.890	33.218	25.226	274.0	0.099
40	11.572	33.206	25.276	269.4	0.113
45	11.569	33.220	25.287	268.4	0.126
50	10.891	33.132	25.341	263.4	0.140
60	10.361	33.265	25.537	244.9	0.165
70	9.960	33.335	25.659	233.4	0.189
80	9.691	33.441	25.786	221.5	0.212
90	9.332	33.564	25.941	207.0	0.233
100	9.107	33.677	26.066	195.3	0.253
125	8.262	33.754	26.257	177.4	0.300
150	7.810	33.854	26.402	163.9	0.343
175	7.553	33.915	26.487	156.2	0.383
200	7.379	33.952	26.541	151.4	0.421
225	7.087	33.963	26.590	147.0	0.458
250	6.855	33.987	26.641	142.5	0.495
275	6.721	33.996	26.666	140.4	0.530
300	6.467	34.005	26.707	136.7	0.565
325	6.191	34.022	26.756	132.2	0.598
350	6.033	34.070	26.814	126.9	0.631
375	5.943	34.092	26.842	124.5	0.662
400	5.667	34.095	26.879	121.1	0.693
425	5.583	34.132	26.918	117.6	0.722
450	5.369	34.146	26.955	114.2	0.751
475	5.269	34.177	26.992	111.0	0.780
499	5.114	34.192	27.022	108.2	0.806



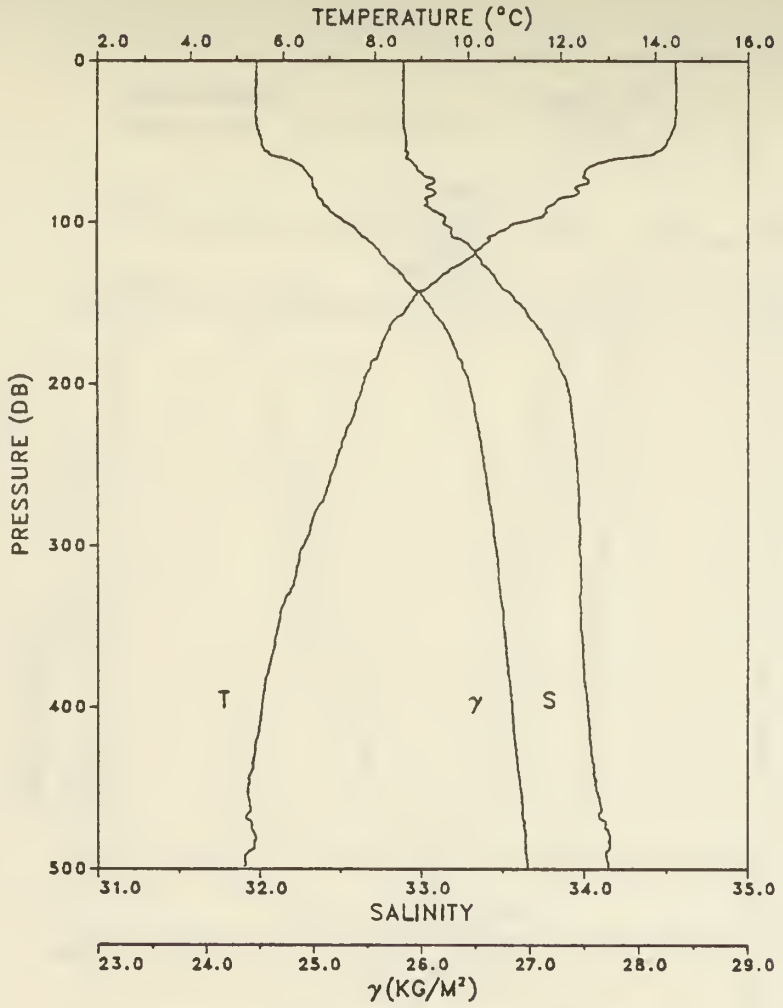
STATION: 42 LAT: 37 54.0 N LON: 124 47.6 W
DATE: 6/19/87 TIME: 1000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	14.444	32.885	24.461	346.1	0.000
5	14.444	32.885	24.461	346.2	0.014
10	14.450	32.883	24.458	346.6	0.031
15	14.447	32.883	24.459	346.7	0.049
20	14.448	32.883	24.459	346.8	0.066
25	14.451	32.883	24.458	347.0	0.083
30	14.398	32.887	24.472	345.8	0.101
35	14.343	32.892	24.488	344.4	0.118
40	13.619	32.895	24.639	330.1	0.135
45	13.293	32.899	24.708	323.6	0.151
50	12.536	32.871	24.835	311.6	0.167
60	12.156	32.879	24.913	304.4	0.198
70	11.668	32.953	25.062	290.4	0.227
80	10.993	33.057	25.264	271.3	0.255
90	10.474	33.172	25.445	254.3	0.282
100	10.078	33.217	25.547	244.7	0.307
125	8.955	33.541	25.983	203.5	0.363
150	8.367	33.748	26.236	179.8	0.411
175	7.770	33.843	26.399	164.6	0.454
200	7.524	33.927	26.501	155.3	0.494
225	7.180	33.956	26.572	148.8	0.532
250	6.844	33.960	26.621	144.3	0.568
275	6.538	33.963	26.664	140.4	0.604
300	6.252	33.976	26.712	136.1	0.638
325	6.085	33.999	26.751	132.6	0.672
350	6.088	34.051	26.792	129.0	0.705
375	5.933	34.059	26.818	126.8	0.737
400	5.802	34.093	26.861	122.9	0.768
425	5.595	34.106	26.896	119.7	0.798
450	5.363	34.124	26.939	115.8	0.828
475	5.223	34.135	26.964	113.5	0.856
499	5.053	34.143	26.990	111.2	0.883



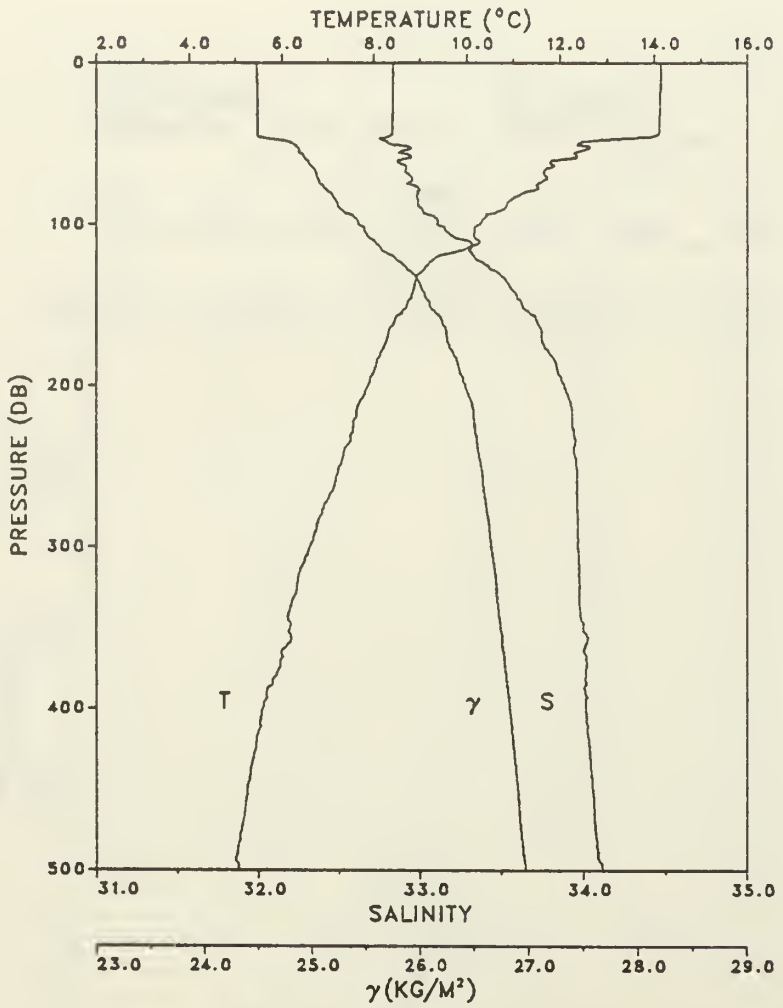
STATION: 43 LAT: 37 46.8 N LON: 124 44.1 W
DATE: 6/19/87 TIME: 1200Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	14.329	32.880	24.481	344.2	0.000
5	14.331	32.881	24.482	344.3	0.014
10	14.333	32.881	24.481	344.4	0.031
15	14.335	32.881	24.481	344.6	0.048
20	14.338	32.881	24.480	344.8	0.065
25	14.340	32.880	24.479	345.0	0.083
30	14.339	32.881	24.480	345.1	0.100
35	14.339	32.881	24.480	345.2	0.117
40	14.339	32.881	24.480	345.3	0.134
45	14.339	32.881	24.480	345.4	0.152
50	14.316	32.889	24.491	344.5	0.169
60	13.908	32.876	24.566	337.6	0.203
70	13.317	32.955	24.747	320.6	0.236
80	12.256	33.006	24.993	297.3	0.267
90	12.392	33.142	25.073	289.9	0.296
100	11.567	33.094	25.190	278.9	0.325
125	10.025	33.327	25.642	236.1	0.389
150	8.743	33.610	26.070	195.6	0.443
175	8.113	33.761	26.284	175.6	0.489
200	7.736	33.864	26.421	162.9	0.532
225	7.540	33.928	26.499	155.8	0.572
250	7.298	33.953	26.553	151.0	0.610
275	6.964	33.963	26.607	146.1	0.647
300	6.819	34.015	26.668	140.6	0.683
325	6.523	34.014	26.706	137.1	0.718
350	6.350	34.042	26.751	133.1	0.751
375	5.989	34.025	26.784	130.0	0.784
400	5.949	34.062	26.818	127.1	0.816
425	5.964	34.106	26.851	124.3	0.848
450	5.653	34.098	26.883	121.3	0.879
475	5.524	34.125	26.920	118.0	0.908
499	5.489	34.171	26.961	114.4	0.936



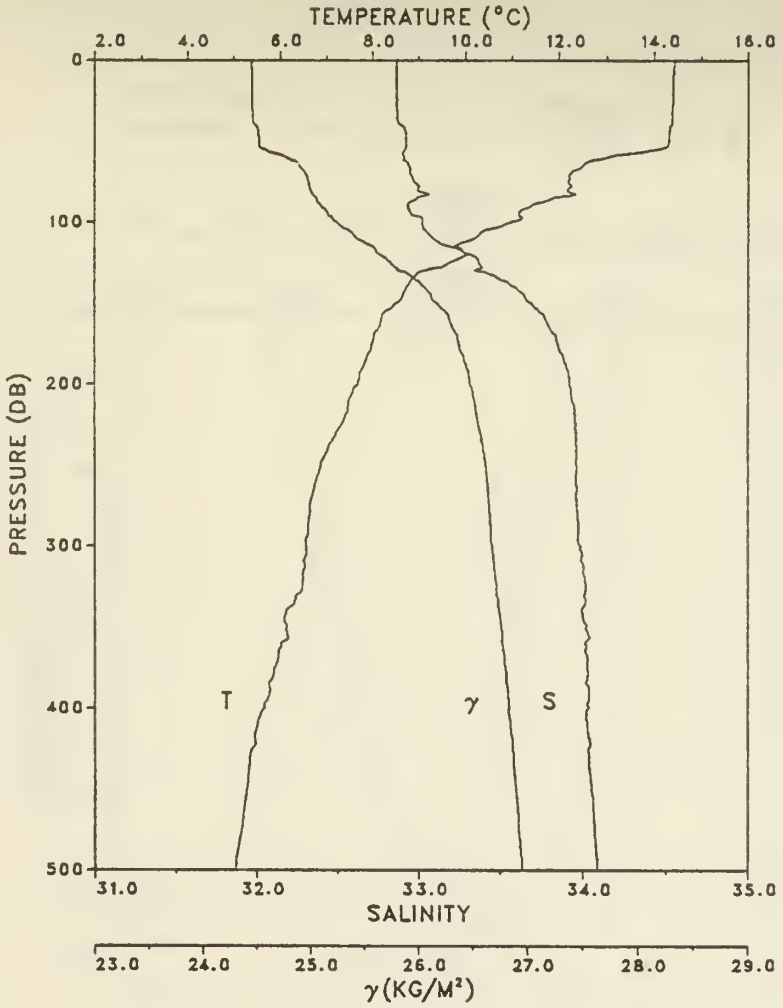
STATION: 44 LAT: 37 46.9 N LON: 124 56.0 W
DATE: 6/19/87 TIME: 1300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	14.431	32.890	24.468	345.5	0.000
5	14.438	32.888	24.465	345.9	0.014
10	14.443	32.888	24.464	346.1	0.031
15	14.442	32.888	24.464	346.2	0.048
20	14.445	32.888	24.463	346.4	0.066
25	14.442	32.887	24.463	346.5	0.083
30	14.442	32.888	24.464	346.6	0.100
35	14.440	32.889	24.465	346.6	0.118
40	14.423	32.892	24.471	346.2	0.135
45	14.353	32.901	24.493	344.2	0.152
50	14.254	32.908	24.519	341.9	0.169
60	13.513	32.907	24.670	327.6	0.203
70	12.503	33.009	24.948	301.3	0.234
80	12.337	33.067	25.025	294.2	0.264
90	11.774	33.020	25.094	287.8	0.293
100	11.175	33.137	25.294	268.9	0.321
125	9.895	33.371	25.698	230.8	0.384
150	8.750	33.596	26.058	196.8	0.437
175	8.158	33.785	26.296	174.4	0.483
200	7.743	33.894	26.443	160.8	0.525
225	7.445	33.934	26.517	154.1	0.565
250	7.135	33.952	26.575	148.8	0.603
275	6.775	33.965	26.634	143.4	0.639
300	6.437	33.971	26.684	138.8	0.674
325	6.220	33.982	26.720	135.6	0.709
350	5.894	33.979	26.759	132.0	0.742
375	5.694	33.995	26.797	128.6	0.775
400	5.537	34.021	26.836	125.0	0.806
425	5.392	34.040	26.869	122.1	0.837
450	5.228	34.074	26.915	117.9	0.867
475	5.308	34.127	26.947	115.2	0.896
499	5.136	34.144	26.981	112.1	0.924



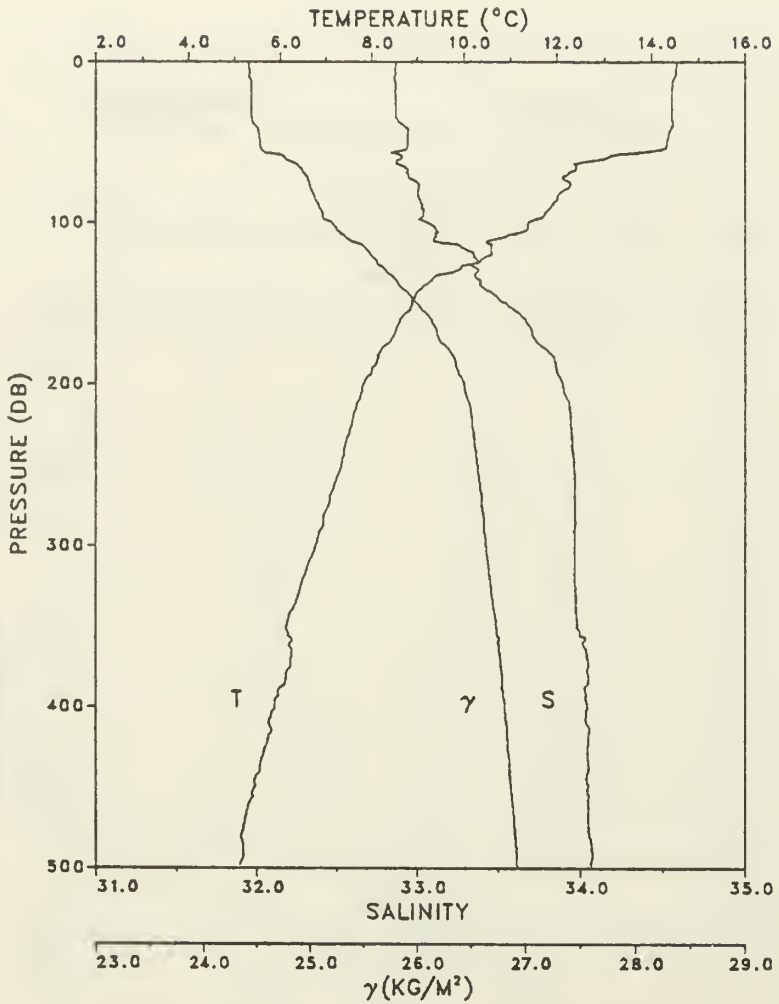
STATION: 45 LAT: 37 46.9 N LON: 123 9.0 W
DATE: 6/19/87 TIME: 1500Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	14.140	32.832	24.484	344.0	0.000
5	14.138	32.833	24.485	343.9	0.014
10	14.134	32.831	24.484	344.1	0.031
15	14.134	32.833	24.486	344.1	0.048
20	14.125	32.831	24.486	344.2	0.065
25	14.120	32.830	24.486	344.3	0.083
30	14.121	32.831	24.487	344.4	0.100
35	14.112	32.829	24.487	344.5	0.117
40	14.110	32.827	24.486	344.7	0.134
45	14.095	32.826	24.489	344.6	0.151
50	12.377	32.803	24.813	313.8	0.168
60	12.097	32.897	24.938	302.0	0.199
70	11.675	32.932	25.044	292.1	0.228
80	11.283	32.979	25.152	282.0	0.257
90	10.825	33.003	25.252	272.6	0.285
100	10.277	33.102	25.424	256.4	0.311
125	9.171	33.397	25.836	217.5	0.371
150	8.709	33.624	26.086	194.1	0.422
175	8.216	33.758	26.267	177.3	0.468
200	7.857	33.881	26.416	163.4	0.511
225	7.547	33.931	26.500	155.7	0.551
250	7.245	33.956	26.563	150.0	0.589
275	6.919	33.960	26.611	145.7	0.626
300	6.616	33.965	26.655	141.6	0.662
325	6.339	33.975	26.700	137.6	0.697
350	6.177	33.999	26.739	134.1	0.731
375	5.934	34.013	26.781	130.2	0.764
400	5.580	34.012	26.824	126.2	0.796
425	5.429	34.037	26.862	122.8	0.827
450	5.245	34.055	26.898	119.5	0.857
475	5.124	34.073	26.926	117.0	0.887
499	5.062	34.115	26.967	113.3	0.915



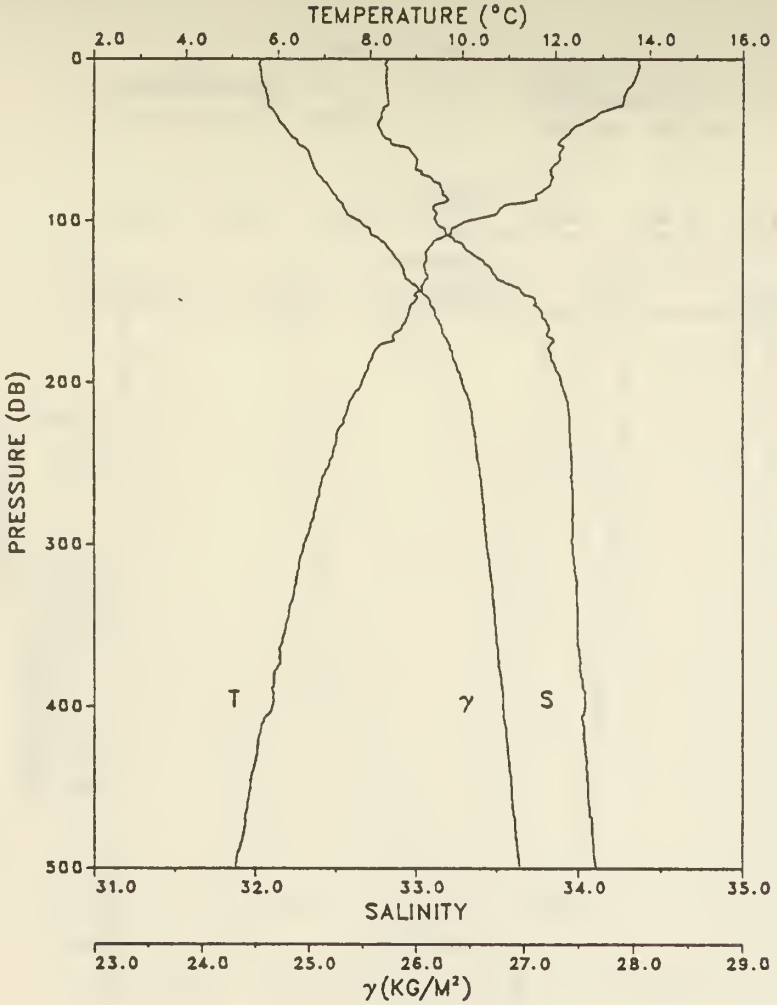
STATION: 46 LAT: 37 46.9 N LON: 125 22.0 W
DATE: 6/19/87 TIME: 1700Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	14.430	32.861	24.446	347.6	0.000
5	14.410	32.862	24.451	347.2	0.014
10	14.404	32.862	24.452	347.2	0.031
15	14.400	32.862	24.453	347.3	0.049
20	14.395	32.863	24.454	347.2	0.066
25	14.392	32.864	24.456	347.2	0.083
30	14.388	32.863	24.456	347.4	0.101
35	14.385	32.864	24.457	347.3	0.118
40	14.356	32.882	24.477	345.6	0.135
45	14.317	32.918	24.513	342.3	0.153
50	14.306	32.921	24.518	342.0	0.170
60	13.056	32.908	24.762	318.8	0.203
70	12.253	32.944	24.945	301.5	0.234
80	12.161	32.992	25.000	296.6	0.264
90	11.403	32.937	25.098	287.4	0.293
100	10.991	33.021	25.237	274.3	0.321
125	9.668	33.372	25.736	227.1	0.384
150	8.508	33.687	26.167	186.4	0.435
175	7.984	33.849	26.373	167.2	0.480
200	7.683	33.920	26.472	158.0	0.520
225	7.329	33.957	26.552	150.7	0.559
250	6.875	33.962	26.618	144.6	0.596
275	6.645	33.963	26.650	141.8	0.631
300	6.581	33.987	26.677	139.5	0.667
325	6.485	34.019	26.715	136.2	0.701
350	6.138	34.019	26.760	132.1	0.735
375	5.877	34.026	26.799	128.6	0.767
400	5.663	34.031	26.829	125.8	0.799
425	5.384	34.034	26.865	122.5	0.830
450	5.278	34.054	26.893	120.0	0.860
475	5.166	34.071	26.920	117.6	0.890
499	5.031	34.087	26.948	115.1	0.918



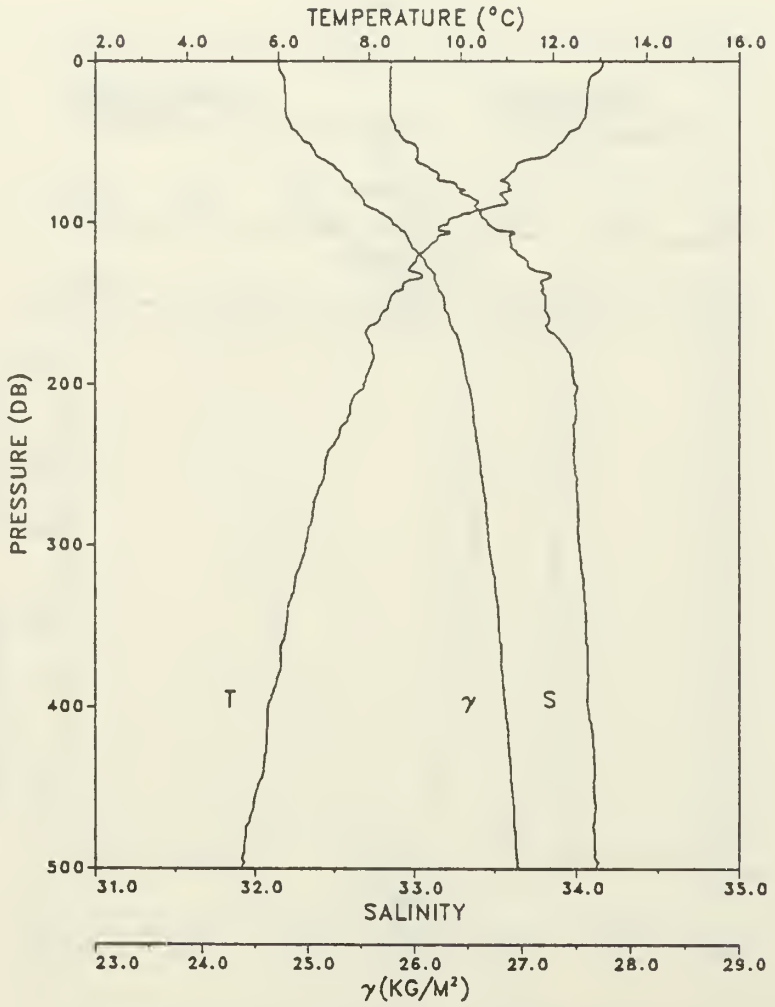
STATION: 47 LAT: 37 47.0 N LON: 125 33.0 W
DATE: 6/19/87 TIME: 1800Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	14.536	32.866	24.427	349.4	0.000
5	14.519	32.862	24.428	349.4	0.014
10	14.477	32.857	24.433	349.1	0.031
15	14.448	32.863	24.443	348.2	0.049
20	14.432	32.863	24.447	348.0	0.066
25	14.433	32.864	24.447	348.1	0.084
30	14.433	32.864	24.447	348.2	0.101
35	14.434	32.867	24.449	348.1	0.118
40	14.444	32.915	24.484	344.9	0.136
45	14.372	32.941	24.519	341.7	0.153
50	14.330	32.939	24.527	341.1	0.170
60	13.053	32.906	24.761	318.9	0.203
70	12.213	32.942	24.951	301.0	0.234
80	12.139	33.002	25.012	295.4	0.264
90	11.877	33.026	25.080	289.2	0.293
100	11.375	33.062	25.200	277.9	0.321
125	10.307	33.359	25.619	238.4	0.386
150	8.893	33.547	25.998	202.6	0.441
175	8.354	33.744	26.235	180.4	0.489
200	7.813	33.892	26.431	162.0	0.532
225	7.572	33.941	26.505	155.3	0.571
250	7.337	33.959	26.552	151.1	0.610
275	7.054	33.964	26.595	147.2	0.647
300	6.774	33.965	26.634	143.7	0.683
325	6.455	33.967	26.678	139.7	0.719
350	6.134	33.975	26.726	135.3	0.753
375	6.225	34.048	26.772	131.4	0.787
400	5.882	34.040	26.809	127.9	0.819
425	5.682	34.042	26.835	125.5	0.851
450	5.436	34.040	26.863	122.9	0.882
475	5.197	34.050	26.899	119.6	0.912
499	5.116	34.065	26.921	117.7	0.940



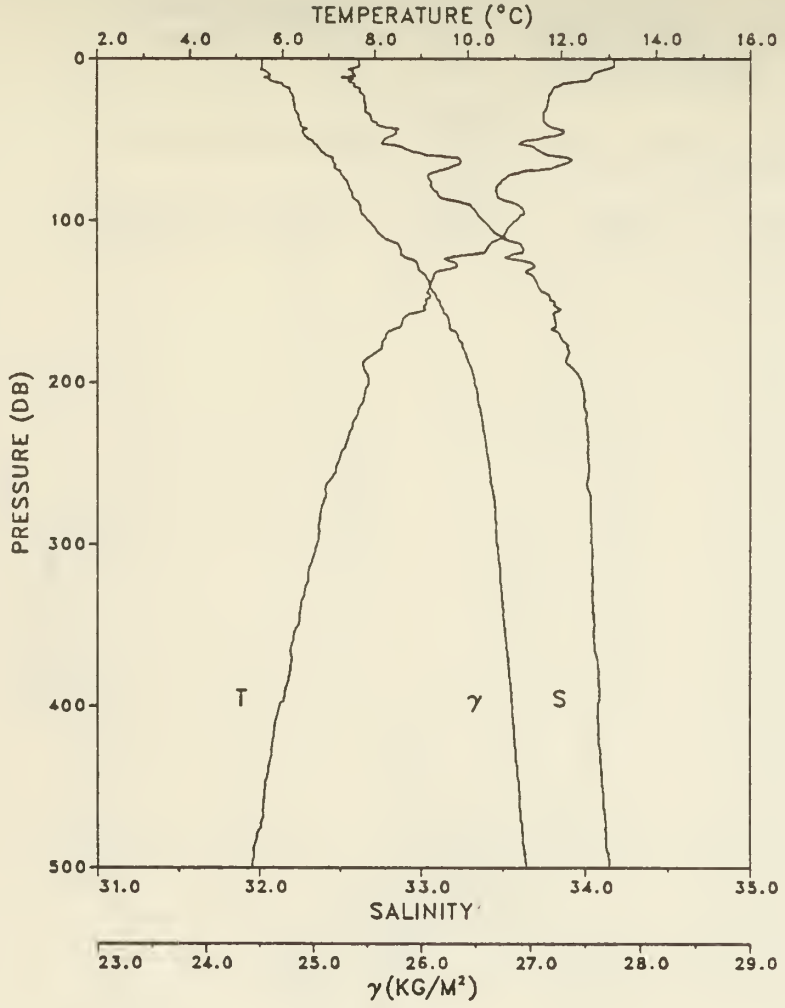
STATION: 48 LAT: 37 53.6 N LON: 125 35.6 W
DATE: 6/19/87 TIME: 2000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.764	32.815	24.548	337.8	0.000
5	13.773	32.815	24.546	338.1	0.014
10	13.721	32.811	24.554	337.5	0.030
15	13.647	32.812	24.570	336.1	0.047
20	13.507	32.818	24.603	333.1	0.064
25	13.446	32.823	24.619	331.7	0.081
30	13.249	32.792	24.634	330.3	0.097
35	12.864	32.781	24.702	324.0	0.114
40	12.574	32.766	24.746	319.9	0.130
45	12.301	32.780	24.809	314.0	0.145
50	12.111	32.840	24.892	306.2	0.161
60	12.089	32.992	25.014	294.8	0.191
70	11.909	33.035	25.081	288.6	0.220
80	11.789	33.159	25.199	277.6	0.248
90	11.011	33.134	25.321	266.1	0.276
100	10.136	33.125	25.466	252.4	0.302
125	9.227	33.419	25.845	216.7	0.360
150	8.976	33.738	26.134	189.7	0.411
175	8.443	33.848	26.303	173.9	0.456
200	7.823	33.894	26.431	162.0	0.498
225	7.425	33.943	26.527	153.1	0.538
250	7.116	33.961	26.585	147.9	0.575
275	6.825	33.963	26.626	144.2	0.612
300	6.565	33.962	26.660	141.2	0.648
325	6.369	33.985	26.704	137.2	0.682
350	6.164	33.994	26.737	134.3	0.716
375	5.998	34.009	26.770	131.3	0.750
400	5.866	34.037	26.809	127.9	0.782
425	5.548	34.042	26.851	123.9	0.813
450	5.384	34.057	26.883	121.0	0.844
475	5.255	34.081	26.917	117.9	0.874
499	5.071	34.104	26.957	114.3	0.902



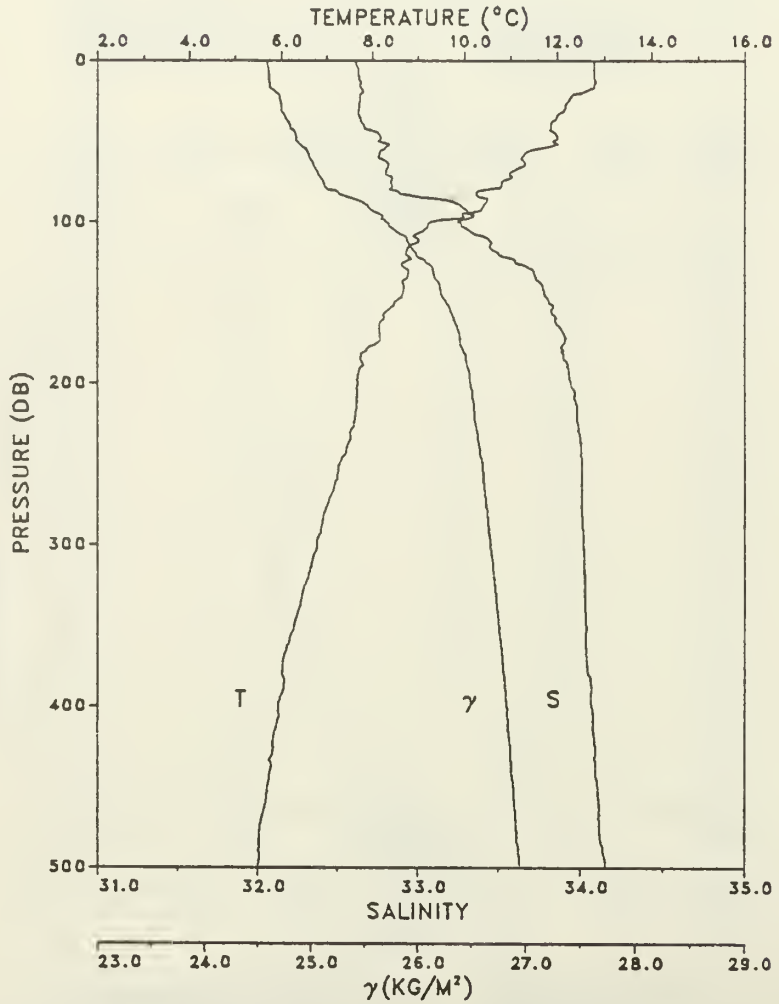
STATION: 49 LAT: 38 2.5 N LON: 125 35.1 W
DATE: 6/19/87 TIME: 2100Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.063	32.853	24.718	321.6	0.000
5	13.020	32.848	24.723	321.3	0.013
10	12.788	32.847	24.767	317.1	0.029
15	12.742	32.848	24.777	316.3	0.045
20	12.722	32.848	24.781	316.1	0.060
25	12.712	32.848	24.783	316.0	0.076
30	12.704	32.848	24.785	316.0	0.092
35	12.677	32.853	24.794	315.2	0.108
40	12.566	32.875	24.832	311.7	0.124
45	12.310	32.903	24.903	305.0	0.139
50	12.184	32.948	24.962	299.6	0.154
60	11.738	33.015	25.097	286.9	0.183
70	11.067	33.149	25.323	265.5	0.211
80	11.100	33.312	25.444	254.2	0.237
90	10.753	33.364	25.546	244.7	0.262
100	9.718	33.456	25.794	221.2	0.285
125	8.992	33.700	26.102	192.3	0.337
150	8.420	33.806	26.273	176.3	0.383
175	8.032	33.916	26.418	162.9	0.425
200	7.857	33.992	26.503	155.2	0.465
225	7.435	33.977	26.552	150.7	0.503
250	7.044	33.986	26.614	145.1	0.540
275	6.792	34.009	26.667	140.3	0.576
300	6.610	34.017	26.697	137.7	0.611
325	6.364	34.041	26.748	133.0	0.645
350	6.185	34.057	26.784	129.8	0.677
375	6.057	34.068	26.809	127.7	0.710
400	5.772	34.068	26.845	124.4	0.741
425	5.738	34.104	26.877	121.6	0.772
450	5.537	34.108	26.905	119.1	0.802
475	5.282	34.106	26.934	116.4	0.831
499	5.197	34.123	26.957	114.4	0.859



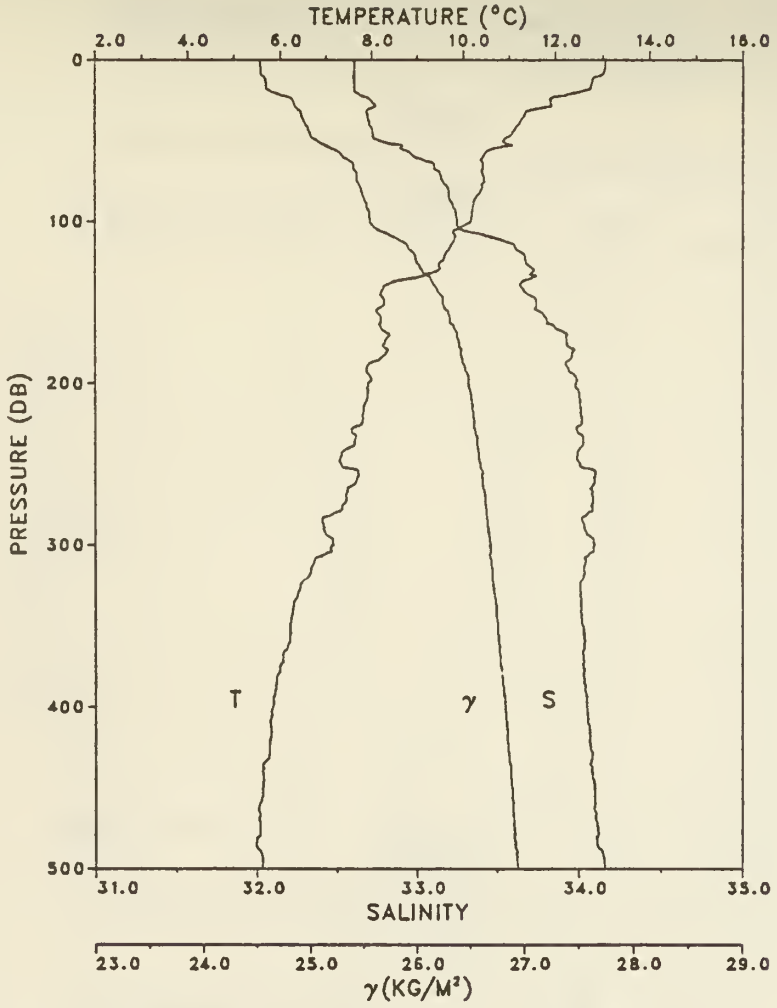
STATION: 50 LAT: 38 10.4 N LON: 125 35.3 W
DATE: 6/19/87 TIME: 2300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.114	32.617	24.525	340.0	0.000
5	13.106	32.617	24.527	339.9	0.014
10	12.645	32.591	24.597	333.4	0.030
15	12.197	32.555	24.654	328.0	0.047
20	11.790	32.620	24.781	316.1	0.063
25	11.714	32.648	24.816	312.8	0.079
30	11.690	32.658	24.828	311.7	0.094
35	11.619	32.689	24.866	308.3	0.110
40	11.659	32.726	24.887	306.4	0.125
45	12.054	32.841	24.903	305.0	0.141
50	11.500	32.774	24.953	300.3	0.156
60	11.709	33.028	25.112	285.4	0.185
70	11.246	33.104	25.256	271.9	0.213
80	10.609	33.066	25.339	264.2	0.240
90	11.000	33.269	25.428	255.9	0.266
100	11.027	33.376	25.507	248.7	0.291
125	9.584	33.615	25.940	207.8	0.348
150	9.109	33.813	26.172	186.2	0.397
175	8.145	33.870	26.365	167.9	0.441
200	7.864	33.977	26.491	156.4	0.482
225	7.521	34.007	26.564	149.7	0.520
250	7.185	34.022	26.623	144.3	0.557
275	6.875	34.031	26.673	139.8	0.593
300	6.737	34.040	26.698	137.7	0.627
325	6.503	34.040	26.729	134.9	0.661
350	6.335	34.056	26.764	131.9	0.695
375	6.170	34.076	26.801	128.6	0.727
400	5.926	34.078	26.834	125.6	0.759
425	5.762	34.086	26.860	123.3	0.790
450	5.607	34.104	26.893	120.3	0.820
475	5.518	34.126	26.922	117.8	0.850
499	5.328	34.144	26.959	114.4	0.878



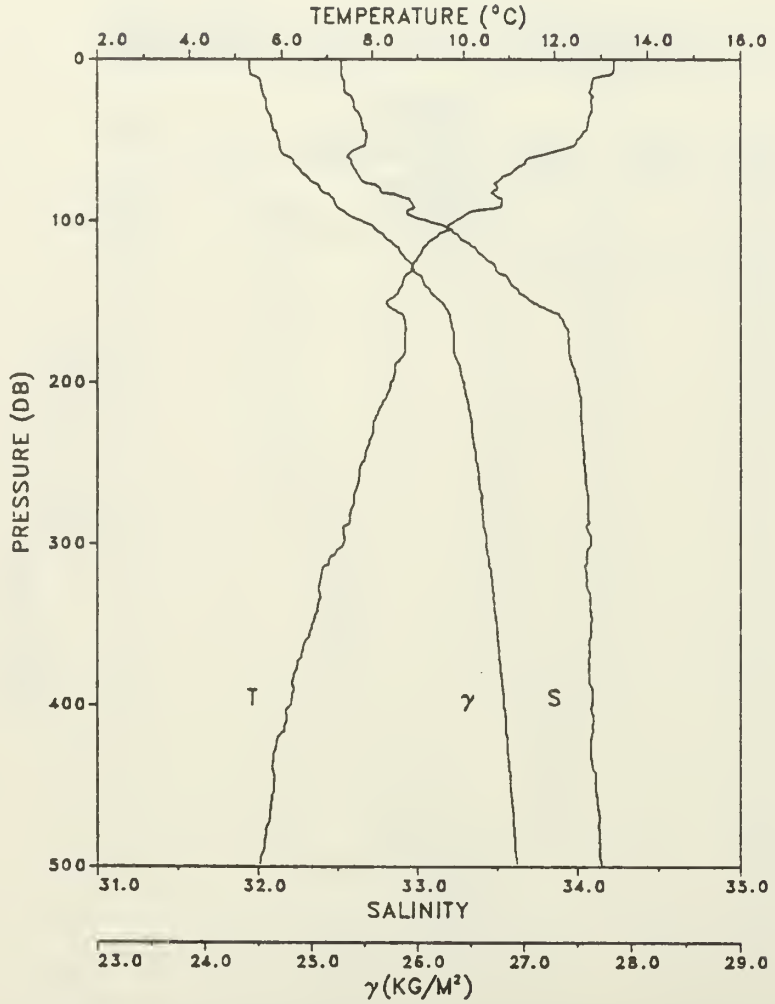
STATION: 51 LAT: 38 17.9 N LON: 125 35.1 W
DATE: 6/20/87 TIME: 0100Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.794	32.609	24.582	334.6	0.000
5	12.793	32.623	24.593	333.6	0.013
10	12.793	32.628	24.597	333.4	0.030
15	12.784	32.637	24.606	332.7	0.047
20	12.504	32.650	24.670	326.7	0.063
25	12.233	32.633	24.708	323.1	0.079
30	12.154	32.629	24.720	322.1	0.096
35	11.985	32.633	24.755	318.9	0.112
40	11.865	32.660	24.798	314.9	0.127
45	11.961	32.751	24.851	310.0	0.143
50	11.897	32.747	24.859	309.3	0.159
60	11.233	32.747	24.980	297.9	0.189
70	10.989	32.797	25.063	290.2	0.218
80	10.545	32.815	25.154	281.7	0.247
90	10.415	33.263	25.526	246.6	0.273
100	9.292	33.245	25.698	230.2	0.297
125	8.719	33.601	26.067	195.5	0.350
150	8.481	33.806	26.264	177.2	0.397
175	8.122	33.901	26.393	165.3	0.440
200	7.682	33.938	26.487	156.7	0.480
225	7.598	33.982	26.533	152.6	0.519
250	7.280	34.007	26.598	146.7	0.556
275	7.025	34.008	26.634	143.5	0.592
300	6.790	34.019	26.675	139.9	0.628
325	6.524	34.026	26.716	136.2	0.662
350	6.284	34.035	26.754	132.8	0.696
375	6.037	34.043	26.792	129.3	0.729
400	5.944	34.067	26.823	126.7	0.761
425	5.829	34.090	26.855	123.8	0.792
450	5.694	34.106	26.884	121.2	0.823
475	5.541	34.115	26.910	118.9	0.853
499	5.500	34.151	26.944	116.0	0.881



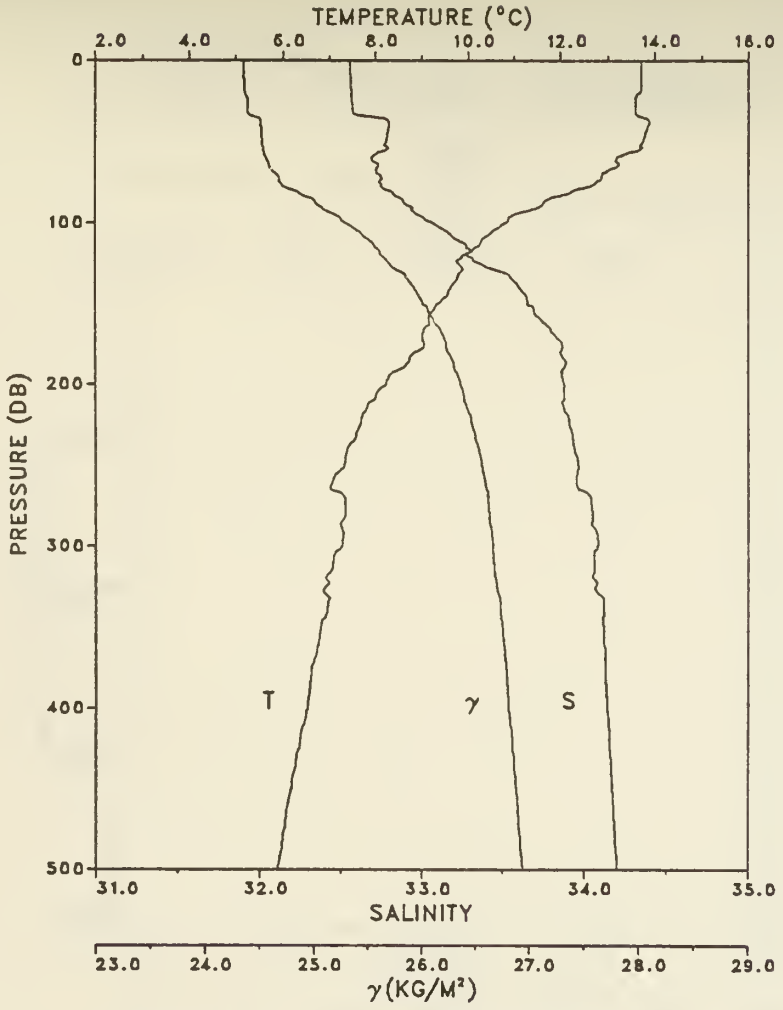
STATION: 52 LAT: 38 26.5 N LON: 125 35.1 W
DATE: 6/20/87 TIME: 0300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.053	32.607	24.530	339.6	0.000
5	13.053	32.608	24.531	339.6	0.014
10	12.965	32.605	24.545	338.3	0.031
15	12.766	32.605	24.584	334.7	0.047
20	12.501	32.610	24.639	329.6	0.064
25	11.888	32.711	24.833	311.2	0.080
30	11.659	32.707	24.872	307.6	0.095
35	11.320	32.688	24.919	303.2	0.111
40	11.200	32.696	24.947	300.7	0.126
45	11.074	32.721	24.989	296.8	0.141
50	10.857	32.764	25.060	290.0	0.155
60	10.442	32.981	25.301	267.3	0.183
70	10.423	33.141	25.429	255.3	0.209
80	10.398	33.194	25.475	251.2	0.235
90	10.231	33.223	25.526	246.5	0.260
100	10.164	33.250	25.558	243.6	0.284
125	9.515	33.674	25.997	202.3	0.340
150	8.277	33.738	26.242	179.3	0.388
175	8.283	33.930	26.391	165.5	0.431
200	7.918	33.977	26.483	157.1	0.471
225	7.784	34.018	26.535	152.6	0.510
250	7.347	34.010	26.591	147.4	0.547
275	7.357	34.075	26.641	143.1	0.584
300	7.167	34.096	26.684	139.3	0.619
325	6.439	34.009	26.713	136.4	0.653
350	6.215	34.026	26.756	132.5	0.687
375	5.998	34.028	26.785	129.9	0.720
400	5.836	34.049	26.822	126.6	0.752
425	5.765	34.072	26.849	124.3	0.783
450	5.621	34.094	26.884	121.2	0.814
475	5.563	34.114	26.907	119.3	0.844
499	5.609	34.157	26.935	116.9	0.872



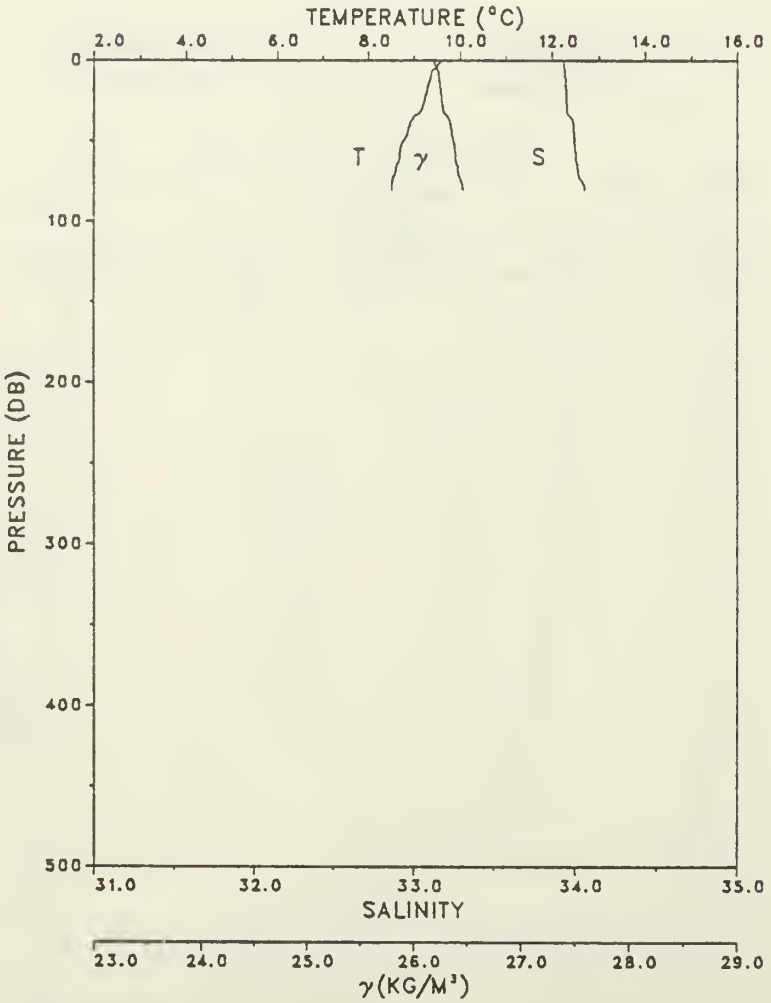
STATION: 53 LAT: 38 33.9 N LON: 125 35.1 W
DATE: 6/20/87 TIME: 0400Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.290	32.519	24.415	350.5	0.000
5	13.288	32.519	24.415	350.6	0.014
10	13.187	32.519	24.435	348.8	0.032
15	12.809	32.535	24.522	340.7	0.049
20	12.745	32.540	24.538	339.2	0.066
25	12.793	32.592	24.569	336.4	0.083
30	12.802	32.600	24.573	336.1	0.099
35	12.749	32.635	24.611	332.6	0.116
40	12.717	32.649	24.628	331.1	0.133
45	12.625	32.676	24.667	327.5	0.149
50	12.476	32.669	24.690	325.4	0.166
60	11.689	32.556	24.749	319.9	0.198
70	11.093	32.618	24.905	305.2	0.229
80	10.751	32.761	25.076	289.1	0.259
90	10.835	32.966	25.221	275.5	0.287
100	9.824	33.059	25.466	252.3	0.313
125	8.952	33.441	25.905	210.9	0.371
150	8.302	33.713	26.218	181.5	0.420
175	8.721	33.941	26.333	171.2	0.464
200	8.398	34.000	26.429	162.4	0.506
225	8.010	34.024	26.506	155.4	0.546
250	7.762	34.038	26.554	151.2	0.584
275	7.579	34.061	26.598	147.3	0.621
300	7.362	34.081	26.645	143.1	0.658
325	6.824	34.054	26.698	138.1	0.693
350	6.665	34.079	26.739	134.5	0.727
375	6.342	34.071	26.775	131.2	0.760
400	6.195	34.089	26.808	128.2	0.793
425	5.880	34.084	26.844	124.9	0.824
450	5.832	34.112	26.872	122.5	0.855
475	5.686	34.131	26.905	119.6	0.885
499	5.521	34.146	26.937	116.6	0.914



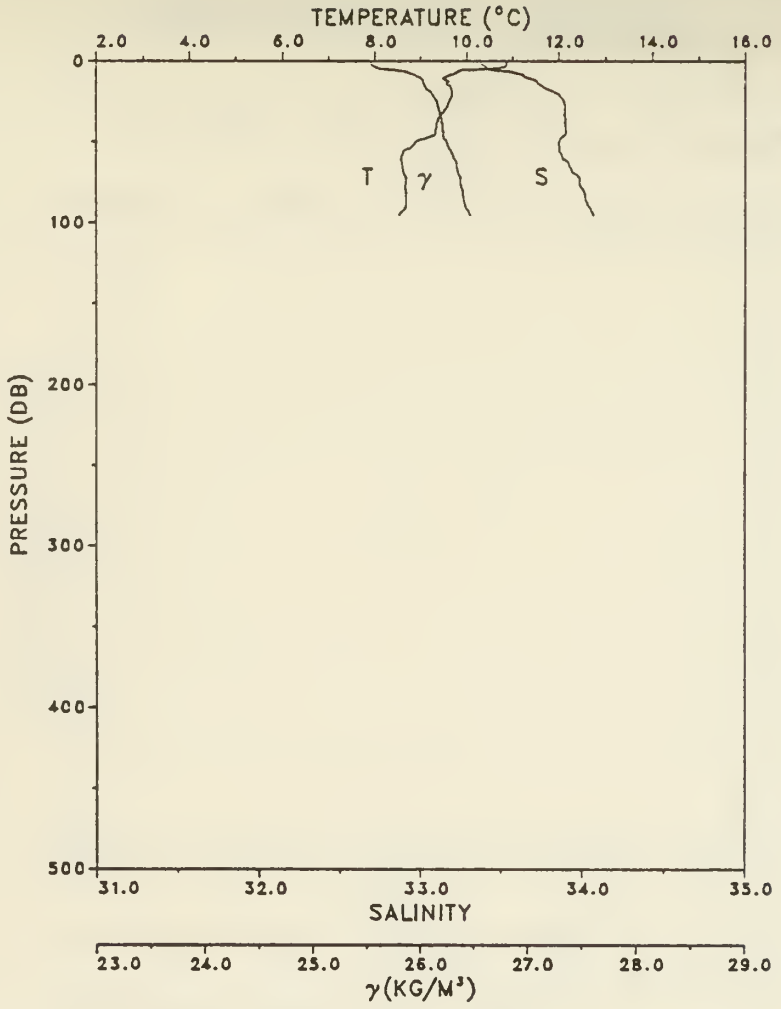
STATION: 54 LAT: 38 41.9 N LON: 125 35.1 W
DATE: 6/20/87 TIME: 0600Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.714	32.558	24.360	355.8	0.000
5	13.715	32.558	24.360	355.9	0.014
10	13.719	32.560	24.360	355.9	0.032
15	13.715	32.562	24.363	355.8	0.050
20	13.671	32.566	24.375	354.8	0.068
25	13.596	32.569	24.392	353.3	0.085
30	13.596	32.573	24.395	353.1	0.103
35	13.725	32.695	24.463	346.7	0.120
40	13.864	32.796	24.513	342.1	0.138
45	13.805	32.789	24.520	341.6	0.155
50	13.746	32.779	24.524	341.3	0.172
60	13.203	32.691	24.565	337.6	0.206
70	12.880	32.723	24.653	329.4	0.239
80	12.327	32.781	24.805	315.1	0.271
90	11.604	32.918	25.046	292.3	0.302
100	10.847	33.060	25.293	269.0	0.330
125	9.764	33.344	25.699	230.7	0.392
150	9.363	33.651	26.004	202.1	0.446
175	9.043	33.867	26.224	181.6	0.494
200	8.225	33.879	26.360	168.9	0.538
225	7.670	33.913	26.469	158.8	0.579
250	7.330	33.966	26.559	150.5	0.618
275	7.341	34.048	26.622	144.9	0.655
300	7.256	34.081	26.660	141.7	0.690
325	6.921	34.068	26.696	138.4	0.725
350	6.808	34.120	26.752	133.4	0.759
375	6.614	34.131	26.787	130.3	0.792
400	6.516	34.142	26.808	128.5	0.825
425	6.338	34.157	26.843	125.4	0.857
450	6.166	34.170	26.876	122.5	0.887
475	6.018	34.185	26.907	119.8	0.918
499	5.874	34.201	26.937	117.0	0.946



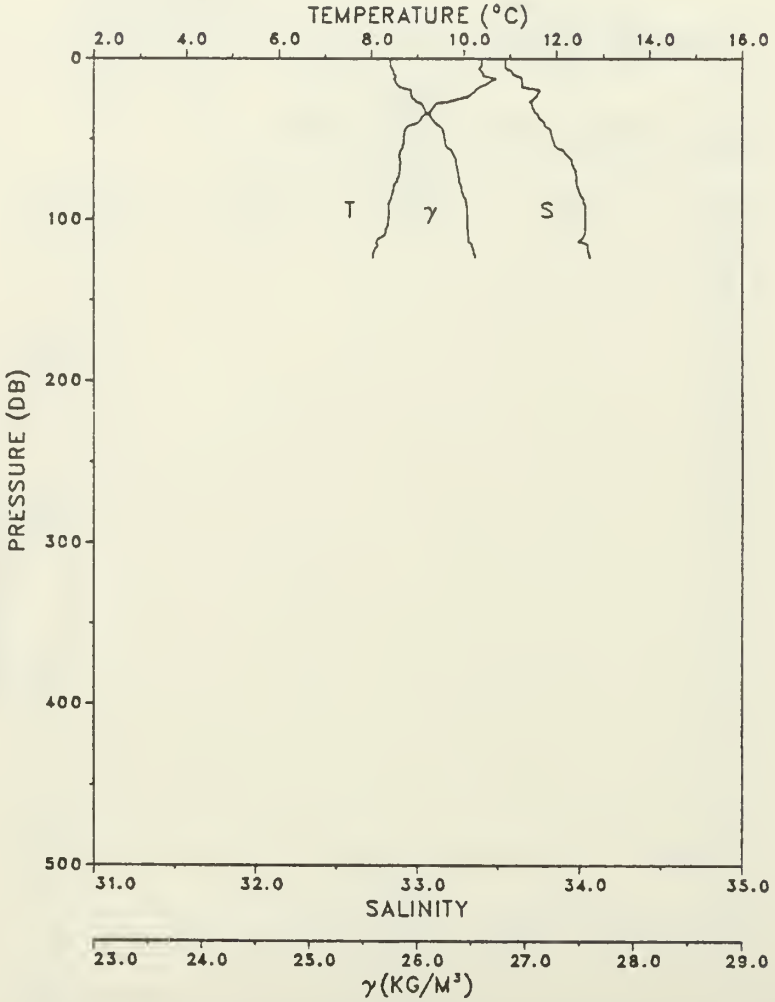
STATION: 55 LAT: 38 31.3 N LON: 123 20.6 W
DATE: 6/20/87 TIME: 1753Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
2	9.561	33.924	26.185	182.1	0.000
5	9.458	33.931	26.208	180.1	0.005
10	9.350	33.936	26.229	178.1	0.014
15	9.310	33.939	26.238	177.4	0.023
20	9.259	33.944	26.250	176.3	0.032
25	9.219	33.946	26.258	175.6	0.041
30	9.161	33.948	26.269	174.7	0.050
35	9.000	33.970	26.312	170.7	0.058
40	8.902	33.988	26.341	168.0	0.067
45	8.853	33.991	26.352	167.1	0.075
50	8.775	33.994	26.366	165.8	0.083
60	8.681	34.004	26.389	163.9	0.100
70	8.588	34.018	26.414	161.6	0.116
80	8.505	34.057	26.457	157.7	0.132
81	8.505	34.058	26.458	157.6	0.134



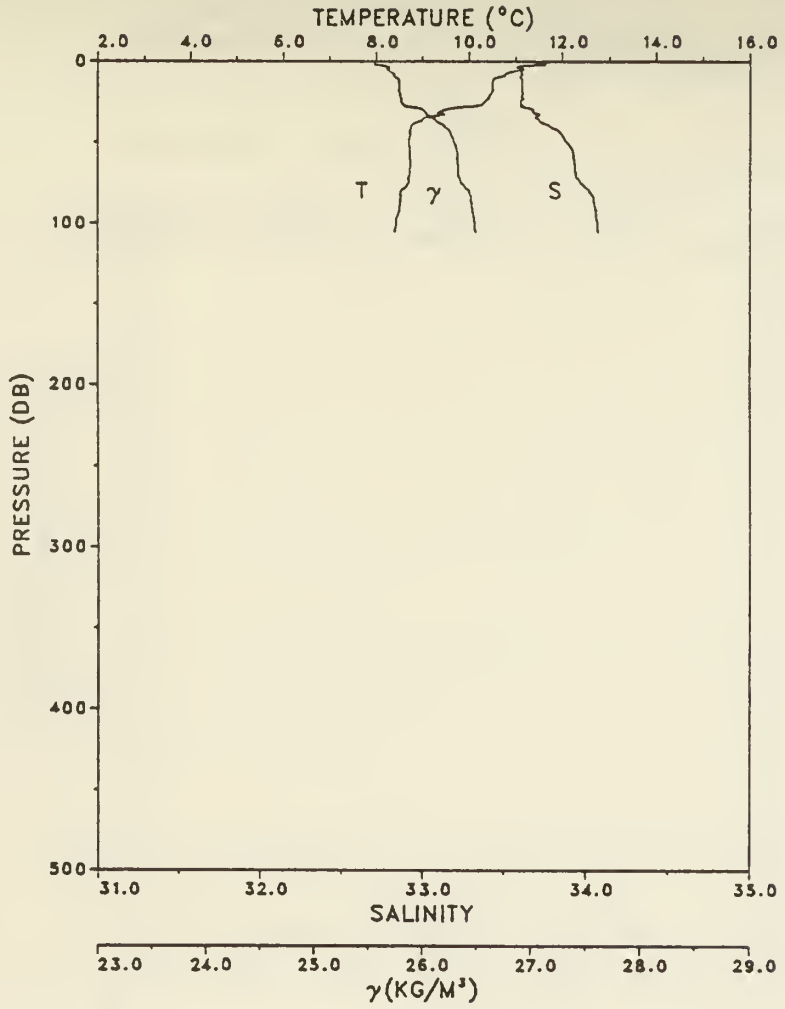
STATION: 56 LAT: 38 42.2 N LON: 123 35.6 W
DATE: 6/20/87 TIME: 2018Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	10.866	33.376	25.535	243.9	0.000
5	10.598	33.413	25.611	236.8	0.010
10	9.555	33.642	25.966	203.1	0.021
15	9.582	33.739	26.037	196.4	0.031
20	9.673	33.838	26.100	190.6	0.040
25	9.608	33.892	26.153	185.7	0.050
30	9.529	33.895	26.158	184.3	0.059
35	9.404	33.893	26.187	182.6	0.068
40	9.333	33.897	26.201	181.3	0.077
45	9.313	33.902	26.209	180.7	0.086
50	8.885	33.857	26.242	177.7	0.095
60	8.575	33.880	26.308	171.5	0.113
70	8.640	33.951	26.353	167.4	0.130
80	8.682	34.008	26.392	163.9	0.146
90	8.677	34.038	26.416	161.8	0.162
96	8.536	34.074	26.466	157.2	0.172



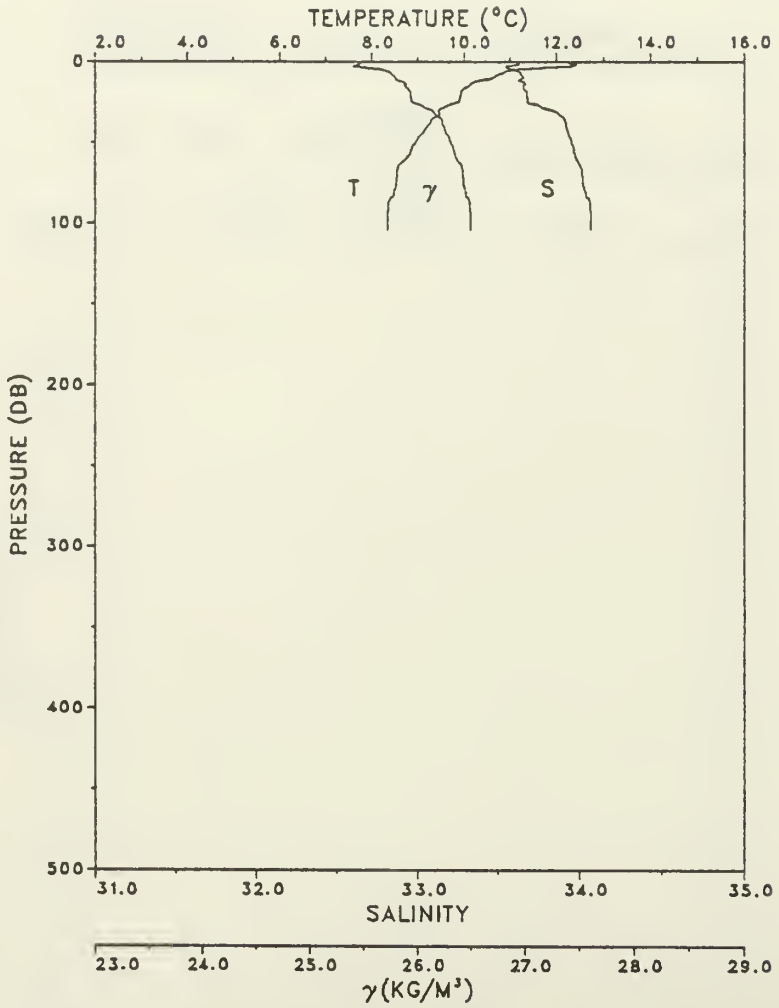
STATION: 57 LAT: 38 53.7 N LON: 123 51.0 W
DATE: 6/20/87 TIME: 2311Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	10.386	33.542	25.748	223.6	0.000
5	10.386	33.542	25.748	223.7	0.009
10	10.411	33.589	25.781	220.7	0.020
15	10.556	33.644	25.798	219.2	0.031
20	10.249	33.753	25.936	206.1	0.042
25	9.922	33.716	25.963	203.7	0.052
30	9.351	33.711	26.053	195.2	0.062
35	9.164	33.742	26.107	190.1	0.072
40	9.014	33.780	26.161	185.1	0.081
45	8.721	33.820	26.238	177.9	0.090
50	8.697	33.833	26.252	176.6	0.099
60	8.606	33.919	26.334	169.1	0.116
70	8.614	33.973	26.375	165.4	0.133
80	8.485	33.988	26.406	162.5	0.149
90	8.380	34.028	26.454	158.2	0.165
100	8.365	34.034	26.461	157.7	0.181
124	8.027	34.060	26.532	151.3	0.218



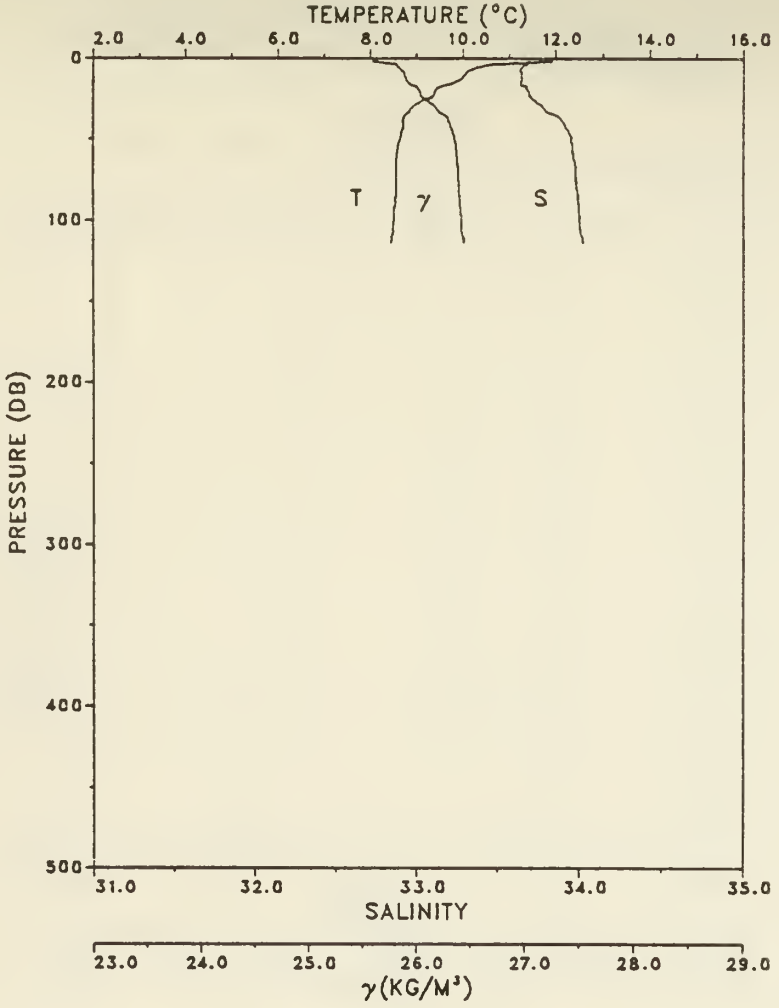
STATION: 58 LAT: 39 0.1 N LON: 123 51.5 W
DATE: 6/21/87 TIME: 0018Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.627	33.581	25.557	241.8	0.000
5	11.166	33.616	25.669	231.3	0.009
10	10.640	33.597	25.747	223.9	0.021
15	10.505	33.611	25.781	220.8	0.032
20	10.468	33.614	25.790	220.0	0.043
25	10.353	33.603	25.802	219.1	0.054
30	9.489	33.681	26.007	199.6	0.064
35	9.037	33.691	26.088	192.0	0.074
40	8.749	33.779	26.202	181.2	0.084
45	8.729	33.850	26.260	175.8	0.092
50	8.700	33.885	26.292	172.8	0.101
60	8.727	33.926	26.320	170.3	0.118
70	8.716	33.938	26.331	169.5	0.135
80	8.538	34.025	26.427	160.5	0.152
90	8.500	34.055	26.457	157.9	0.168
100	8.427	34.071	26.480	155.8	0.183
106	8.400	34.076	26.488	155.2	0.193



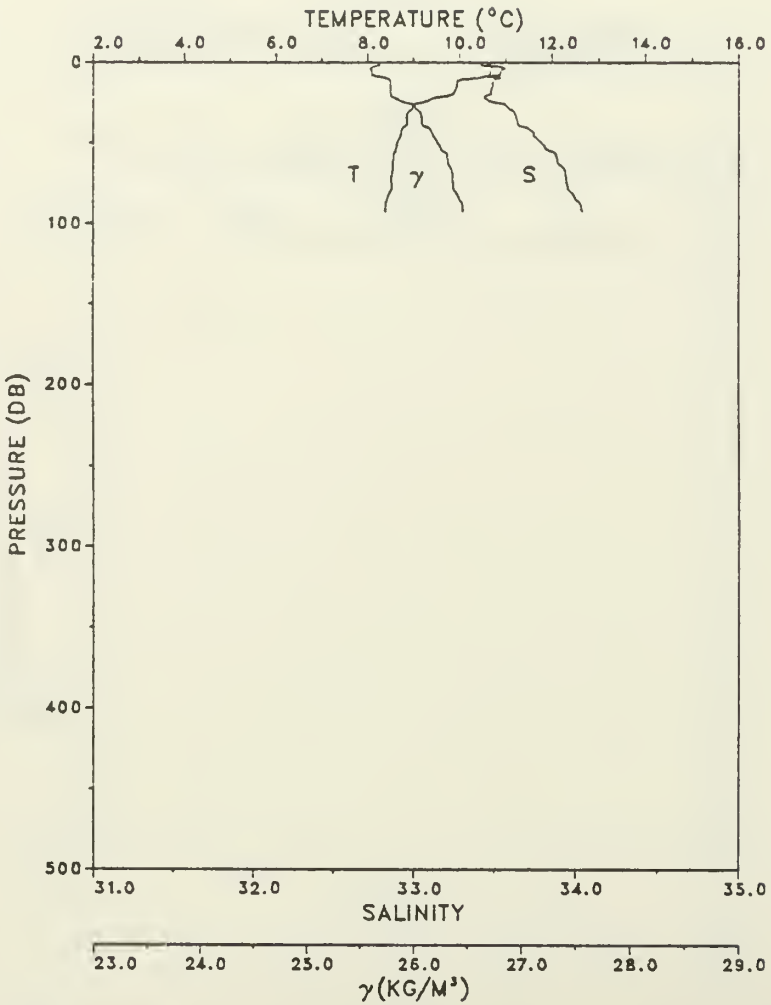
STATION: 59 LAT: 39 6.7 N LON: 123 51.8 W
DATE: 6/21/87 TIME: 0111Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.247	33.615	25.467	250.4	0.000
5	11.147	33.585	25.648	233.3	0.010
10	10.643	33.657	25.793	219.5	0.021
15	10.130	33.649	25.875	211.8	0.032
20	9.934	33.676	25.930	206.8	0.042
25	9.879	33.673	25.936	206.2	0.053
30	9.442	33.815	26.120	188.9	0.062
35	9.334	33.901	26.204	180.9	0.072
40	9.191	33.913	26.237	177.9	0.081
45	9.082	33.927	26.265	175.3	0.089
50	8.940	33.951	26.307	171.5	0.098
60	8.756	33.976	26.355	167.1	0.115
70	8.542	34.015	26.419	161.2	0.132
80	8.486	34.032	26.441	159.3	0.148
90	8.353	34.063	26.485	155.2	0.163
100	8.340	34.067	26.490	154.9	0.179
104	8.338	34.066	26.490	155.0	0.185



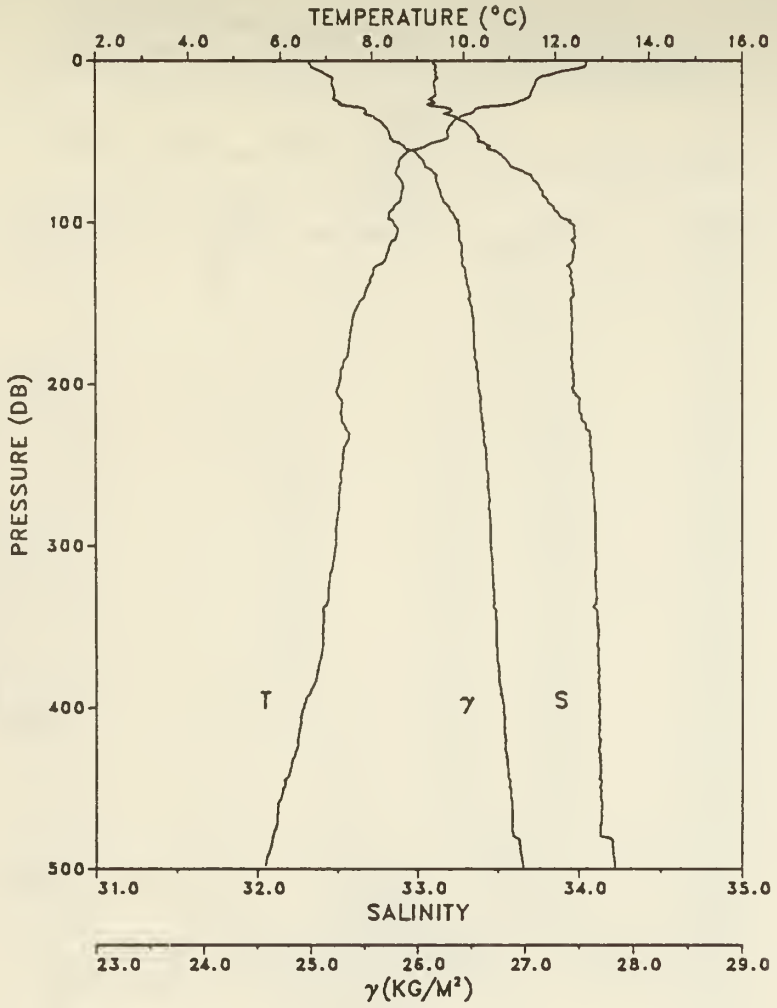
STATION: 60 LAT: 39 13.1 N LON: 123 51.7 W
DATE: 6/21/87 TIME: 0218Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.916	33.695	25.592	238.5	0.000
5	10.457	33.653	25.823	216.7	0.009
10	10.055	33.646	25.886	210.7	0.020
15	9.837	33.647	25.923	207.3	0.030
20	9.403	33.686	26.025	197.7	0.040
25	9.249	33.712	26.070	193.5	0.050
30	8.916	33.777	26.174	183.7	0.060
35	8.768	33.840	26.247	176.9	0.069
40	8.711	33.903	26.305	171.5	0.077
45	8.684	33.933	26.332	168.9	0.086
50	8.647	33.951	26.352	167.1	0.094
60	8.578	33.962	26.372	165.5	0.111
70	8.557	33.979	26.388	164.1	0.127
80	8.558	33.985	26.393	163.8	0.144
90	8.552	33.996	26.402	163.1	0.160
100	8.504	34.001	26.414	162.2	0.176
114	8.451	34.024	26.440	159.9	0.199



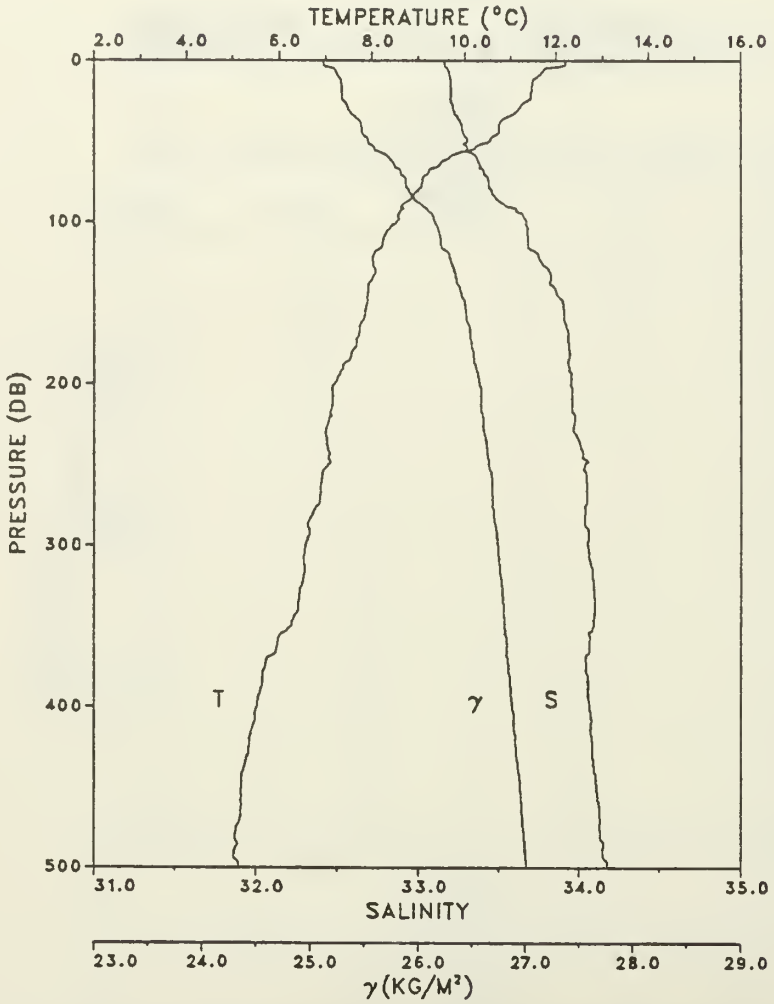
STATION: 61 LAT: 39 25.4 N LON: 123 52.2 W
DATE: 6/21/87 TIME: 0353Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	10.467	33.474	25.681	230.0	0.000
5	10.890	33.473	25.607	237.2	0.009
10	10.416	33.538	25.740	224.6	0.021
15	9.948	33.490	25.782	220.7	0.032
20	9.864	33.482	25.790	220.0	0.043
25	9.163	33.509	25.925	207.3	0.054
30	8.918	33.616	26.048	195.7	0.064
35	8.848	33.639	26.077	193.0	0.074
40	8.811	33.666	26.104	190.6	0.083
45	8.721	33.743	26.178	183.6	0.092
50	8.641	33.791	26.228	178.9	0.102
60	8.555	33.888	26.317	170.6	0.119
70	8.525	33.941	26.363	166.4	0.136
80	8.499	33.969	26.389	164.1	0.152
90	8.384	34.039	26.462	157.4	0.168
93	8.384	34.040	26.462	157.4	0.173



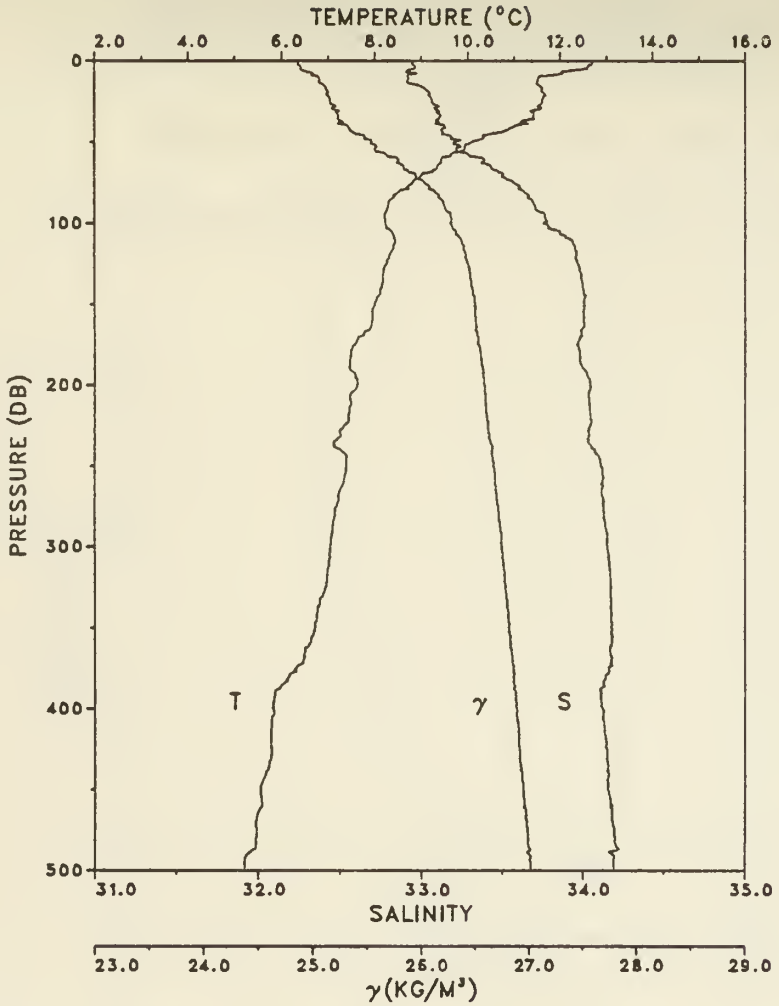
STATION: 62 LAT: 39 25.3 N LON: 124 0.6 W
DATE: 6/21/87 TIME: 0500Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.660	33.094	24.984	296.4	0.000
5	12.507	33.108	25.024	292.6	0.012
10	11.699	33.113	25.180	277.8	0.026
15	11.547	33.099	25.197	276.3	0.040
20	11.469	33.109	25.219	274.3	0.054
25	11.224	33.100	25.257	270.9	0.067
30	10.260	33.203	25.505	247.3	0.080
35	9.912	33.239	25.592	239.1	0.092
40	9.735	33.319	25.684	230.5	0.104
45	9.651	33.365	25.734	225.8	0.116
50	9.441	33.375	25.776	221.9	0.127
60	8.668	33.533	26.022	198.7	0.148
70	8.529	33.672	26.152	186.5	0.167
80	8.665	33.769	26.207	181.4	0.185
90	8.496	33.838	26.287	174.0	0.203
100	8.471	33.936	26.368	186.5	0.220
125	8.244	33.956	26.418	162.2	0.261
150	7.711	33.947	26.489	155.6	0.301
175	7.497	33.956	26.527	152.4	0.340
200	7.272	33.967	26.568	148.8	0.377
225	7.405	34.043	26.609	145.4	0.414
250	7.344	34.075	26.642	142.6	0.450
275	7.272	34.097	26.670	140.3	0.485
300	7.203	34.103	26.684	139.3	0.520
325	7.046	34.103	26.706	137.5	0.555
350	6.924	34.114	26.731	135.4	0.589
375	6.812	34.122	26.753	133.6	0.623
400	6.492	34.125	26.798	129.5	0.656
425	6.356	34.122	26.813	128.2	0.688
450	6.041	34.133	26.863	123.6	0.719
475	5.887	34.128	26.878	122.3	0.750
499	5.663	34.221	26.979	112.9	0.778



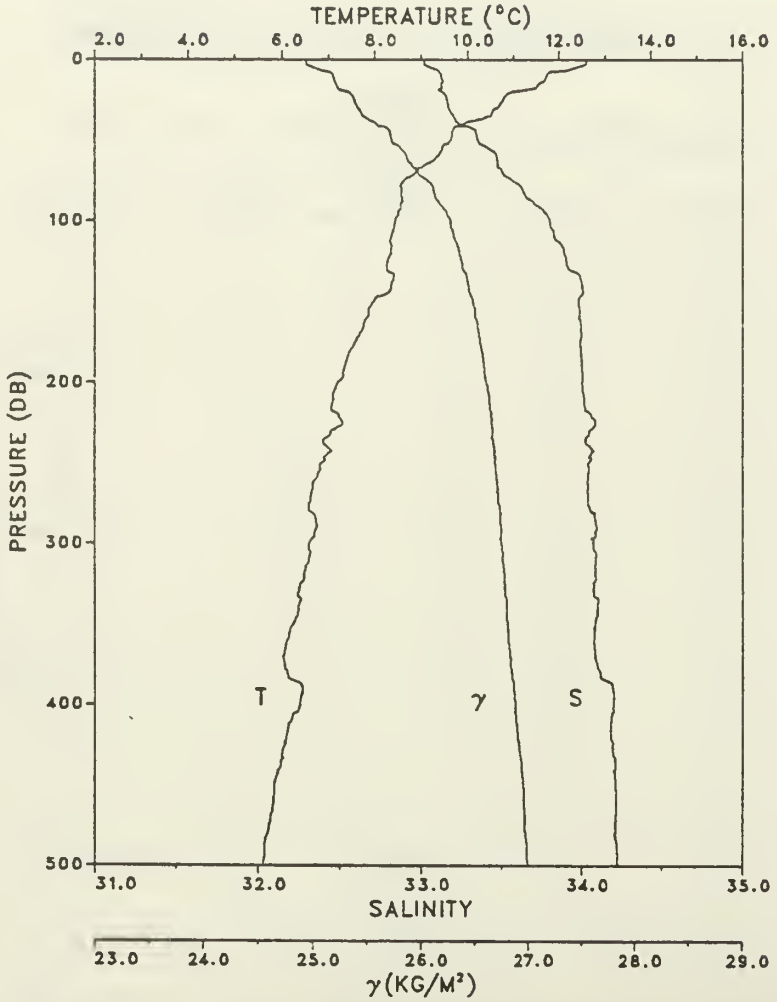
STATION: 63 LAT: 39 25.2 N LON: 124 9.1 W
DATE: 6/21/87 TIME: 0600Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.204	33.159	25.122	283.2	0.000
5	11.766	33.179	25.219	274.0	0.011
10	11.595	33.192	25.261	270.2	0.025
15	11.474	33.200	25.289	267.6	0.038
20	11.448	33.198	25.292	267.4	0.052
25	11.387	33.200	25.305	266.3	0.065
30	11.173	33.212	25.353	261.8	0.078
35	10.961	33.242	25.414	256.1	0.091
40	10.747	33.266	25.470	250.8	0.104
45	10.722	33.275	25.482	249.9	0.116
50	10.546	33.303	25.534	245.0	0.129
60	9.673	33.360	25.726	226.8	0.152
70	9.211	33.404	25.835	216.6	0.174
80	8.991	33.450	25.906	210.0	0.196
90	8.635	33.538	26.031	198.3	0.216
100	8.517	33.671	26.153	186.9	0.235
125	8.008	33.768	26.305	172.7	0.280
150	7.884	33.899	26.426	161.6	0.322
175	7.660	33.934	26.487	156.3	0.362
200	7.174	33.944	26.563	149.2	0.400
225	7.029	33.967	26.601	145.9	0.437
250	7.037	34.031	26.651	141.6	0.473
275	6.835	34.037	26.683	138.8	0.508
300	6.555	34.058	26.737	133.9	0.542
325	6.475	34.091	26.773	130.7	0.575
350	6.240	34.085	26.799	128.5	0.608
375	5.696	34.041	26.833	125.2	0.639
400	5.519	34.062	26.871	121.7	0.670
425	5.345	34.082	26.907	118.4	0.700
450	5.176	34.106	26.946	114.9	0.729
475	5.067	34.127	26.976	112.3	0.758
499	5.115	34.172	27.006	109.7	0.784



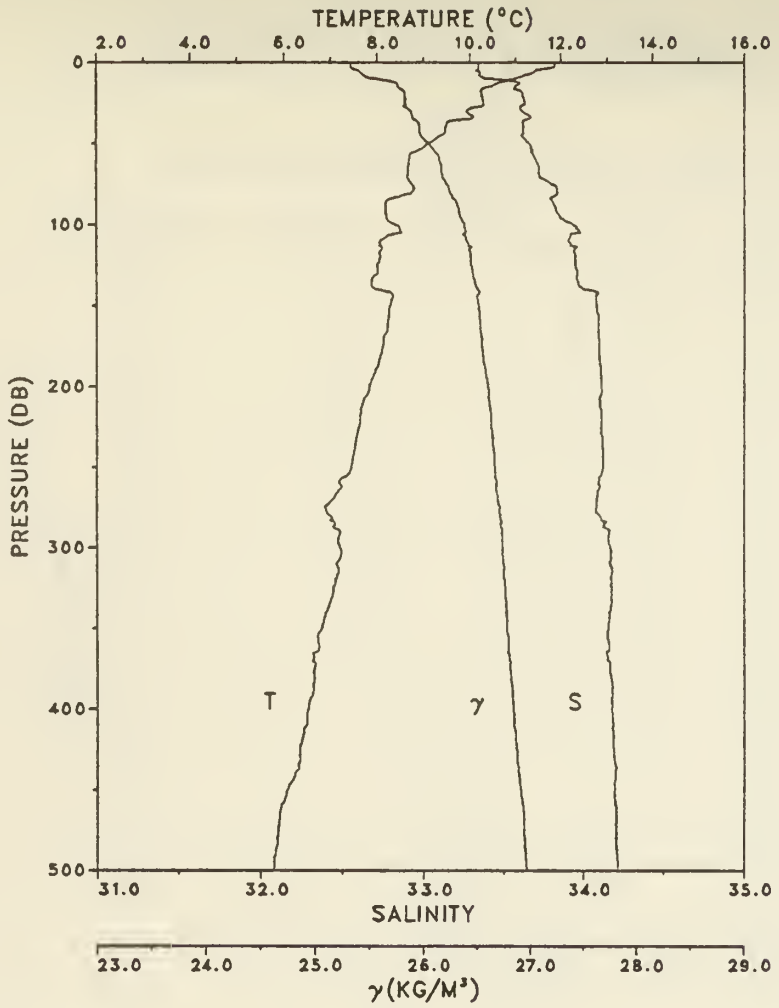
STATION: 641 LAT: 39 9.6 N LON: 124 4.9 W
DATE: 6/21/87 TIME: 0841Z

	PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
*	1	12.700	32.946	24.861	308.0	0.000
	5	12.601	32.958	24.890	305.4	0.012
	10	11.548	32.917	25.056	289.7	0.027
	15	11.513	32.967	25.101	285.5	0.042
	20	11.657	33.051	25.140	281.9	0.056
	25	11.612	33.061	25.156	280.5	0.070
	30	11.556	33.086	25.186	277.8	0.084
	35	11.411	33.110	25.231	273.6	0.098
	40	11.052	33.139	25.318	265.4	0.111
	45	10.524	33.127	25.401	257.5	0.124
	50	10.086	33.201	25.533	245.0	0.137
	60	9.435	33.379	25.780	221.7	0.160
	70	9.023	33.509	25.947	205.9	0.181
	80	8.530	33.631	26.119	189.7	0.201
	90	8.269	33.704	26.216	180.7	0.220
	100	8.223	33.754	26.262	176.4	0.237
	125	8.259	33.971	26.427	161.3	0.280
	150	7.997	34.007	26.495	155.2	0.319
	175	7.579	33.960	26.519	153.2	0.358
	200	7.620	34.048	26.582	147.6	0.395
	225	7.332	34.041	26.617	144.5	0.432
	250	7.383	34.115	26.668	140.1	0.468
	275	7.169	34.126	26.707	136.7	0.502
	300	7.044	34.151	26.744	133.5	0.536
	325	6.929	34.175	26.779	130.6	0.569
	350	6.703	34.178	26.812	127.6	0.601
	375	6.307	34.162	26.851	123.9	0.633
	400	5.817	34.120	26.880	121.1	0.663
	425	5.786	34.149	26.907	118.9	0.693
	450	5.547	34.155	26.941	115.7	0.723
	475	5.460	34.195	26.983	112.0	0.751
	499	5.203	34.190	27.010	109.5	0.778



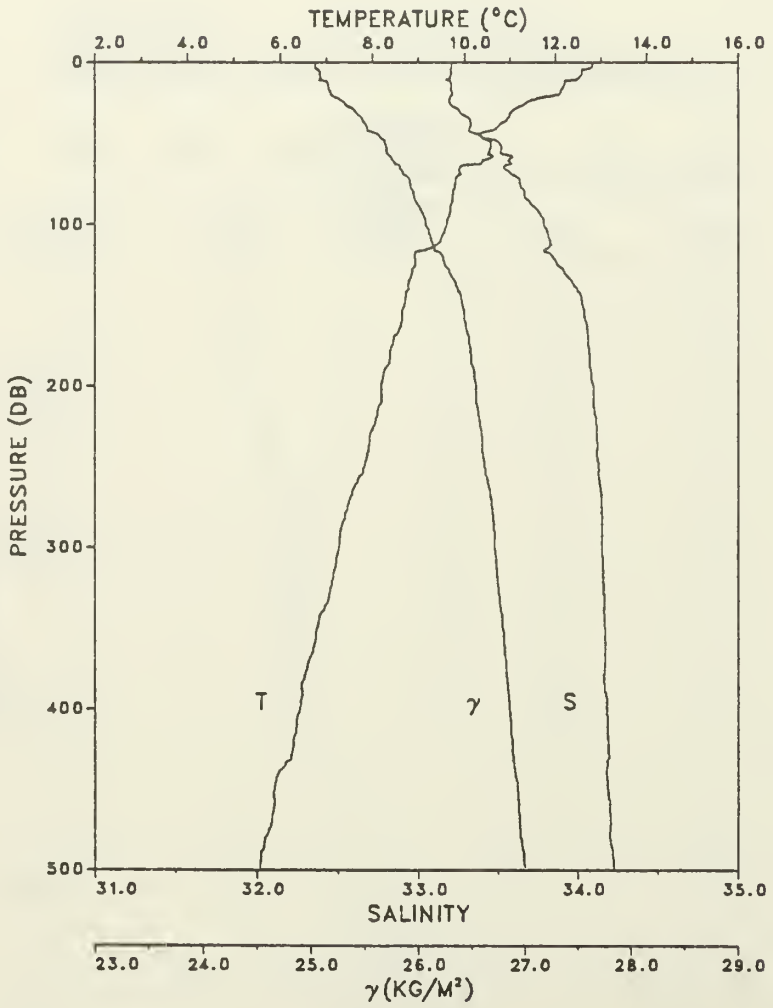
STATION: 65 LAT: 38 53.3 N LON: 124 1.1 W
DATE: 6/21/87 TIME: 1000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.594	33.015	24.935	301.0	0.000
5	12.397	33.055	25.004	294.5	0.012
10	11.722	33.123	25.184	277.5	0.026
15	11.568	33.121	25.211	275.1	0.040
20	10.946	33.130	25.330	263.8	0.053
25	10.757	33.160	25.386	258.5	0.067
30	10.632	33.167	25.413	256.1	0.079
35	10.507	33.201	25.462	251.6	0.092
40	9.917	33.232	25.586	239.8	0.104
45	9.668	33.337	25.709	228.2	0.116
50	9.626	33.350	25.726	226.7	0.127
60	9.345	33.464	25.861	214.0	0.150
70	8.869	33.502	25.966	204.1	0.170
80	8.563	33.624	26.109	190.7	0.190
90	8.552	33.706	26.175	184.6	0.209
100	8.433	33.799	26.266	176.1	0.227
125	8.264	33.903	26.373	166.4	0.270
150	7.955	33.978	26.478	156.8	0.310
175	7.563	33.989	26.544	150.8	0.349
200	7.197	33.998	26.602	145.5	0.386
225	7.292	34.081	26.654	141.0	0.421
250	6.840	34.038	26.683	138.5	0.456
275	6.582	34.039	26.718	135.3	0.491
300	6.580	34.070	26.743	133.3	0.524
325	6.392	34.078	26.774	130.6	0.557
350	6.232	34.082	26.798	128.6	0.590
375	6.053	34.095	26.831	125.6	0.621
400	6.377	34.198	26.871	122.5	0.652
425	6.054	34.190	26.906	119.2	0.683
450	5.841	34.211	26.949	115.3	0.712
475	5.728	34.210	26.962	114.2	0.741
499	5.593	34.223	26.989	111.8	0.768



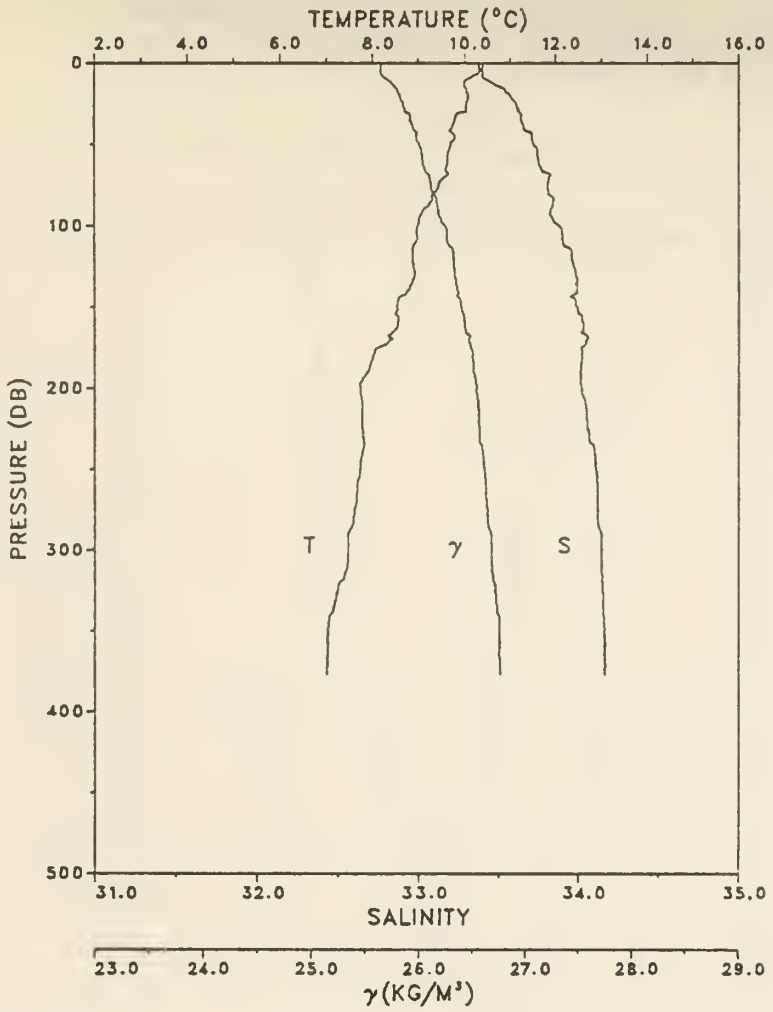
STATION: 66 LAT: 38 39.8 N LON: 123 50.7 W
DATE: 6/21/87 TIME: 1218Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.861	33.340	25.327	263.7	0.000
5	11.454	33.328	25.392	257.6	0.010
10	11.032	33.381	25.510	246.5	0.023
15	10.480	33.569	25.753	223.5	0.035
20	10.266	33.617	25.827	216.5	0.046
25	10.305	33.630	25.831	216.3	0.057
30	9.928	33.616	25.884	211.3	0.067
35	10.014	33.654	25.899	210.0	0.078
40	9.481	33.621	25.962	204.1	0.088
45	9.397	33.613	25.969	203.5	0.098
50	9.101	33.658	26.052	195.7	0.108
60	8.688	33.697	26.147	186.8	0.127
70	8.655	33.722	26.172	184.6	0.146
80	8.742	33.834	26.246	177.8	0.164
90	8.179	33.826	26.326	170.3	0.182
100	8.386	33.935	26.380	165.4	0.198
125	8.003	33.949	26.448	159.2	0.239
150	8.264	34.077	26.510	153.9	0.278
175	8.126	34.095	26.545	151.0	0.316
200	7.822	34.112	26.603	145.7	0.353
225	7.602	34.108	26.632	143.3	0.389
250	7.449	34.121	26.664	140.6	0.425
275	6.891	34.078	26.708	136.5	0.459
300	7.211	34.172	26.737	134.3	0.493
325	7.059	34.174	26.760	132.4	0.527
350	6.803	34.153	26.779	130.8	0.560
375	6.641	34.163	26.808	128.3	0.592
400	6.511	34.176	26.836	125.9	0.624
425	6.334	34.189	26.869	123.0	0.655
450	6.063	34.193	26.907	119.4	0.685
475	5.877	34.205	26.940	116.5	0.715
499	5.783	34.215	26.960	114.8	0.742



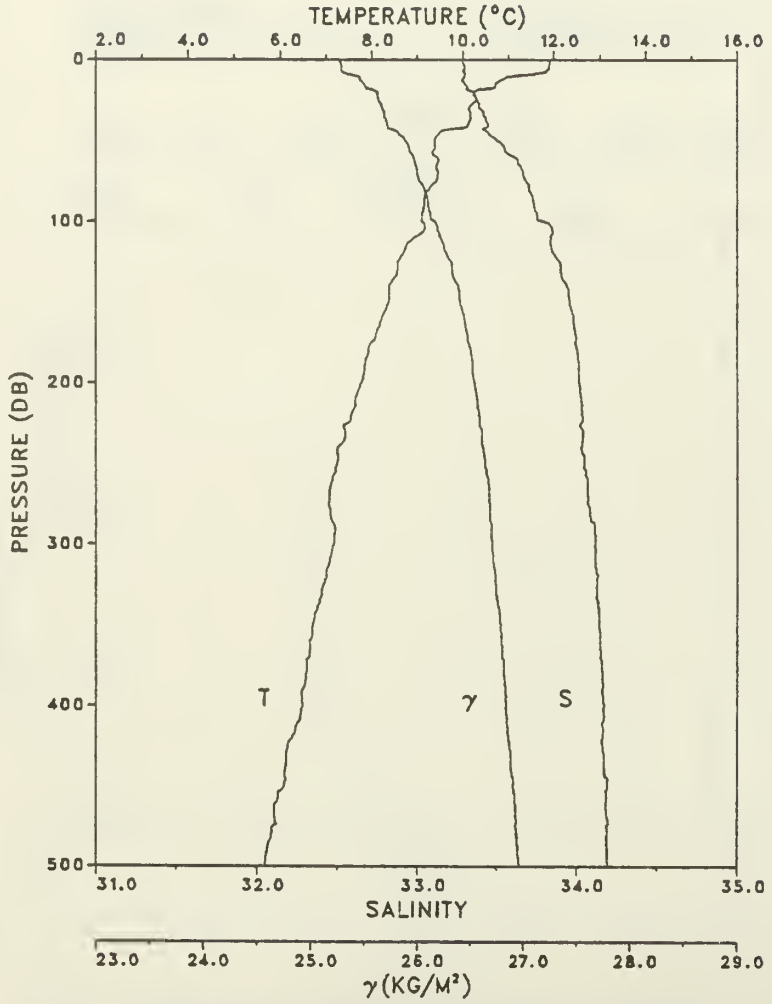
STATION: 67 LAT: 38 26.2 N LON: 123 39.2 W
DATE: 6/21/87 TIME: 1400Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
2	12.811	33.204	25.039	291.1	0.000
5	12.588	33.200	25.080	287.3	0.009
10	12.508	33.200	25.095	285.9	0.023
15	12.168	33.202	25.162	279.7	0.037
20	12.060	33.207	25.186	277.5	0.051
25	11.338	33.196	25.311	265.7	0.065
30	11.046	33.254	25.408	256.6	0.078
35	10.936	33.317	25.477	250.1	0.090
40	10.723	33.319	25.516	246.5	0.103
45	10.321	33.374	25.628	235.9	0.115
50	10.578	33.502	25.684	230.8	0.127
60	10.519	33.568	25.746	225.1	0.149
70	9.838	33.601	25.887	211.8	0.171
80	9.741	33.660	25.949	206.1	0.192
90	9.678	33.727	26.012	200.3	0.212
100	9.609	33.782	26.066	195.3	0.232
125	8.918	33.869	26.246	178.6	0.279
150	8.680	34.027	26.407	163.8	0.322
175	8.413	34.064	26.477	157.5	0.362
200	8.184	34.095	26.536	152.2	0.401
225	8.020	34.114	26.575	148.9	0.438
250	7.804	34.126	26.617	145.3	0.475
275	7.448	34.148	26.685	139.0	0.510
300	7.267	34.151	26.713	136.6	0.545
325	7.075	34.162	26.748	133.5	0.579
350	6.786	34.169	26.793	129.4	0.612
375	6.566	34.164	26.819	127.2	0.644
400	6.414	34.180	26.852	124.3	0.675
425	6.271	34.192	26.880	121.9	0.706
450	5.862	34.185	26.926	117.5	0.736
475	5.755	34.202	26.953	115.1	0.765
499	5.562	34.224	26.994	111.4	0.792



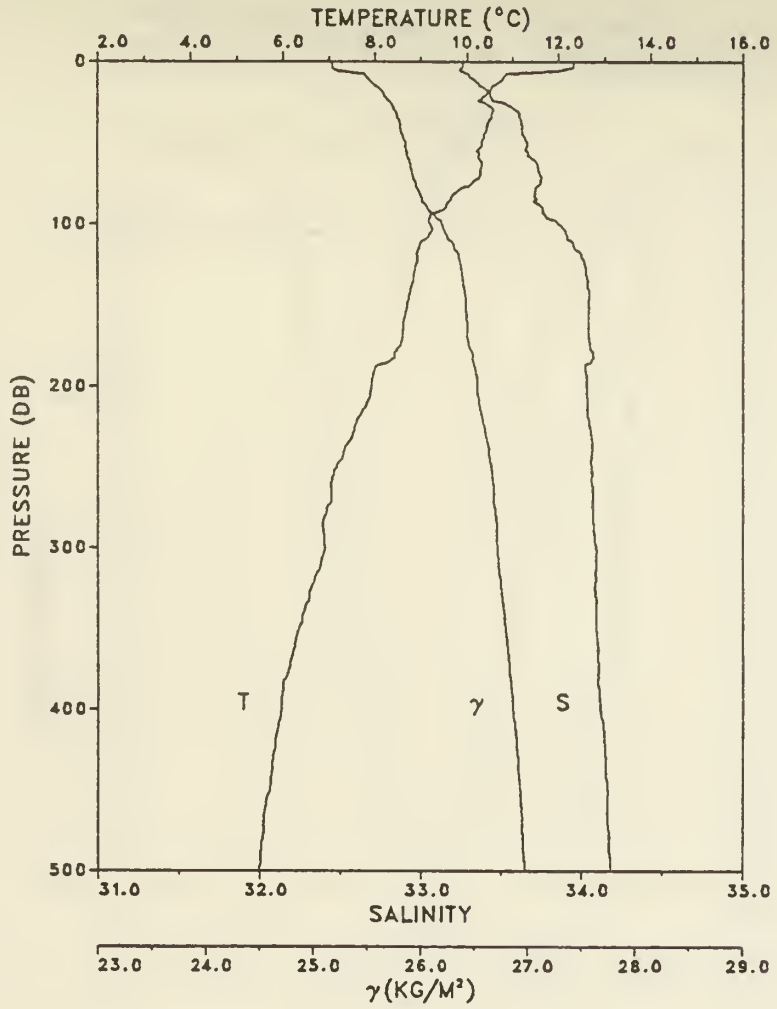
STATION: 68 LAT: 38 18.1 N LON: 123 32.3 W
DATE: 6/21/87 TIME: 1653Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	10.317	33.398	25.648	233.2	0.000
5	10.337	33.398	25.644	233.6	0.009
10	10.067	33.416	25.704	228.0	0.021
15	10.002	33.508	25.787	220.2	0.032
20	10.074	33.571	25.824	216.8	0.043
25	10.042	33.610	25.860	213.5	0.054
30	10.035	33.624	25.872	212.4	0.064
35	9.790	33.642	25.927	207.3	0.075
40	9.730	33.659	25.950	205.2	0.085
45	9.774	33.707	25.981	202.4	0.095
50	9.695	33.721	26.005	200.2	0.105
60	9.624	33.750	26.039	197.1	0.125
70	9.569	33.819	26.102	191.4	0.145
80	9.345	33.813	26.134	188.5	0.164
90	9.119	33.827	26.181	184.2	0.182
100	8.980	33.881	26.245	178.2	0.201
125	8.897	33.974	26.331	170.5	0.244
150	8.528	33.992	26.403	164.1	0.286
175	8.129	34.020	26.485	156.6	0.326
200	7.734	34.021	26.544	151.3	0.364
225	7.785	34.063	26.570	149.3	0.402
250	7.728	34.113	26.617	145.1	0.439
275	7.603	34.124	26.644	142.9	0.475
300	7.462	34.146	26.682	139.7	0.510
325	7.237	34.152	26.718	136.5	0.545
350	7.028	34.162	26.755	133.2	0.578
375	7.000	34.166	26.762	132.9	0.612
377	7.001	34.166	26.762	133.0	0.614



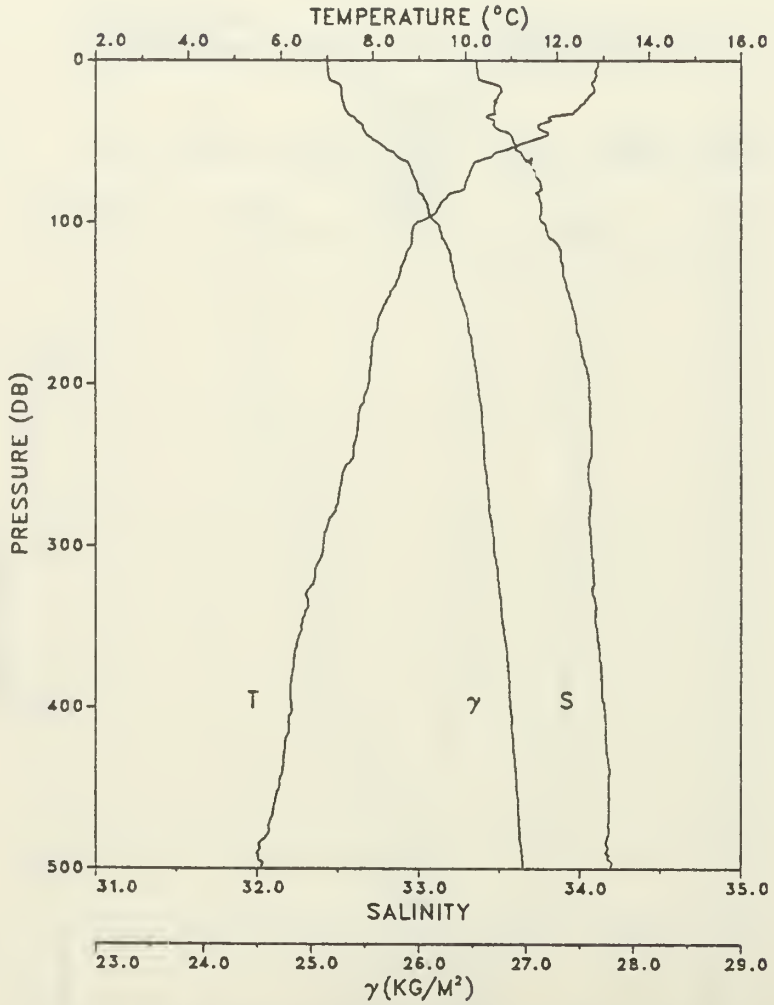
STATION: 69 LAT: 38 14.7 N LON: 123 39.3 W
DATE: 6/21/87 TIME: 1700Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
2	11.912	33.281	25.271	269.0	0.000
5	11.889	33.295	25.286	267.6	0.008
10	11.246	33.299	25.407	256.2	0.021
15	10.710	33.296	25.500	247.5	0.034
20	10.237	33.355	25.628	235.4	0.046
25	10.314	33.381	25.635	234.9	0.058
30	10.123	33.389	25.674	231.3	0.069
35	10.164	33.417	25.689	230.0	0.081
40	10.116	33.444	25.718	227.3	0.092
45	9.498	33.445	25.821	217.5	0.103
50	9.368	33.503	25.888	211.3	0.114
60	9.402	33.601	25.959	204.7	0.135
70	9.459	33.666	26.000	201.0	0.155
80	9.269	33.705	26.062	195.3	0.175
90	9.142	33.732	26.103	191.6	0.194
100	9.094	33.798	26.162	186.1	0.213
125	8.572	33.895	26.320	171.5	0.258
150	8.364	33.956	26.400	164.3	0.300
175	7.994	33.990	26.482	156.9	0.340
200	7.750	34.016	26.538	151.9	0.379
225	7.478	34.025	26.584	147.8	0.416
250	7.238	34.046	26.635	143.3	0.452
275	7.057	34.072	26.680	139.2	0.488
300	7.166	34.116	26.700	137.8	0.522
325	6.939	34.125	26.738	134.4	0.556
350	6.707	34.141	26.782	130.4	0.589
375	6.579	34.156	26.811	128.0	0.622
400	6.484	34.169	26.834	126.1	0.654
425	6.162	34.158	26.867	123.0	0.685
450	6.076	34.190	26.903	119.8	0.715
475	5.844	34.183	26.927	117.7	0.745
499	5.660	34.195	26.959	114.8	0.773



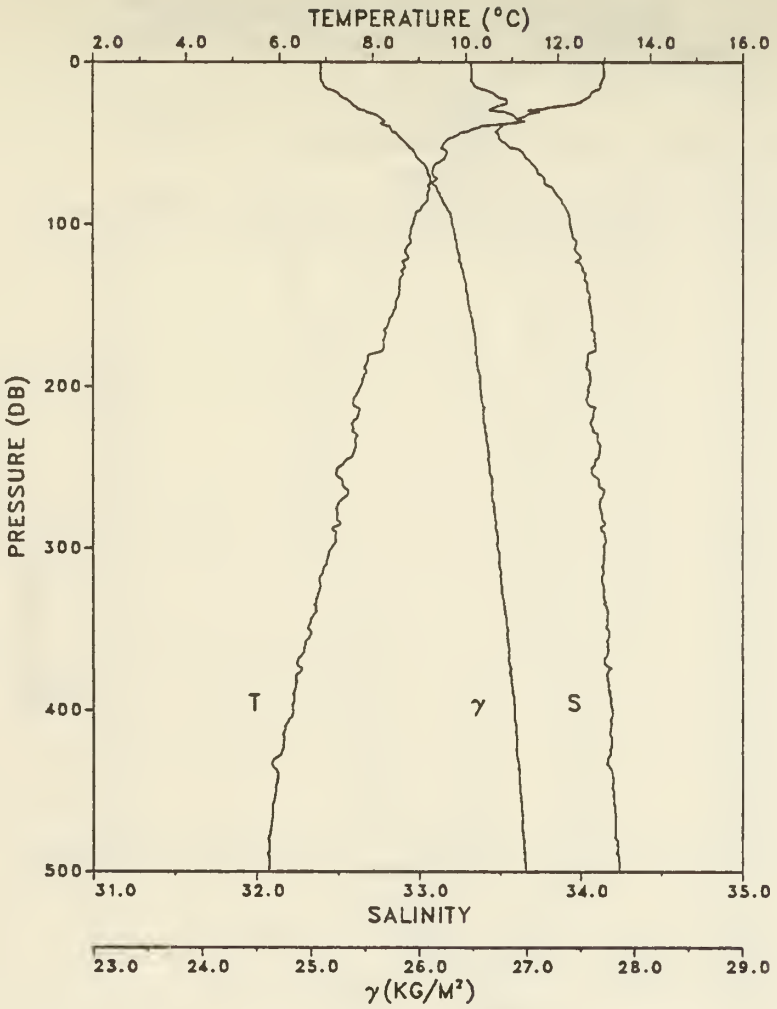
STATION: 70 LAT: 38 11.3 N LON: 123 46.3 W
DATE: 6/21/87 TIME: 1800Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.323	33.257	25.175	278.2	0.000
5	12.153	33.240	25.194	276.4	0.011
10	10.800	33.308	25.494	248.0	0.024
15	10.595	33.359	25.569	240.9	0.036
20	10.430	33.429	25.653	233.1	0.048
25	10.357	33.501	25.721	226.7	0.060
30	10.586	33.593	25.753	223.7	0.071
35	10.537	33.617	25.781	221.3	0.082
40	10.441	33.629	25.807	218.9	0.093
45	10.371	33.636	25.824	217.3	0.104
50	10.329	33.666	25.855	214.5	0.115
60	10.279	33.693	25.884	211.9	0.136
70	10.289	33.743	25.922	208.6	0.157
80	9.784	33.711	25.982	203.0	0.178
90	9.537	33.756	26.058	195.9	0.198
100	9.192	33.857	26.193	183.2	0.217
125	8.889	34.022	26.370	166.8	0.260
150	8.700	34.044	26.417	162.8	0.302
175	8.552	34.051	26.445	160.5	0.342
200	7.923	34.031	26.524	153.2	0.381
225	7.558	34.054	26.596	146.7	0.419
250	7.169	34.063	26.658	141.0	0.455
275	6.950	34.070	26.693	137.9	0.490
300	6.911	34.093	26.717	136.0	0.524
325	6.600	34.084	26.751	132.9	0.557
350	6.348	34.092	26.791	129.3	0.590
375	6.134	34.104	26.828	126.0	0.622
400	5.965	34.117	26.859	123.2	0.653
425	5.817	34.144	26.899	119.6	0.684
450	5.709	34.164	26.928	117.1	0.713
475	5.576	34.170	26.949	115.3	0.742
499	5.470	34.178	26.969	113.6	0.770



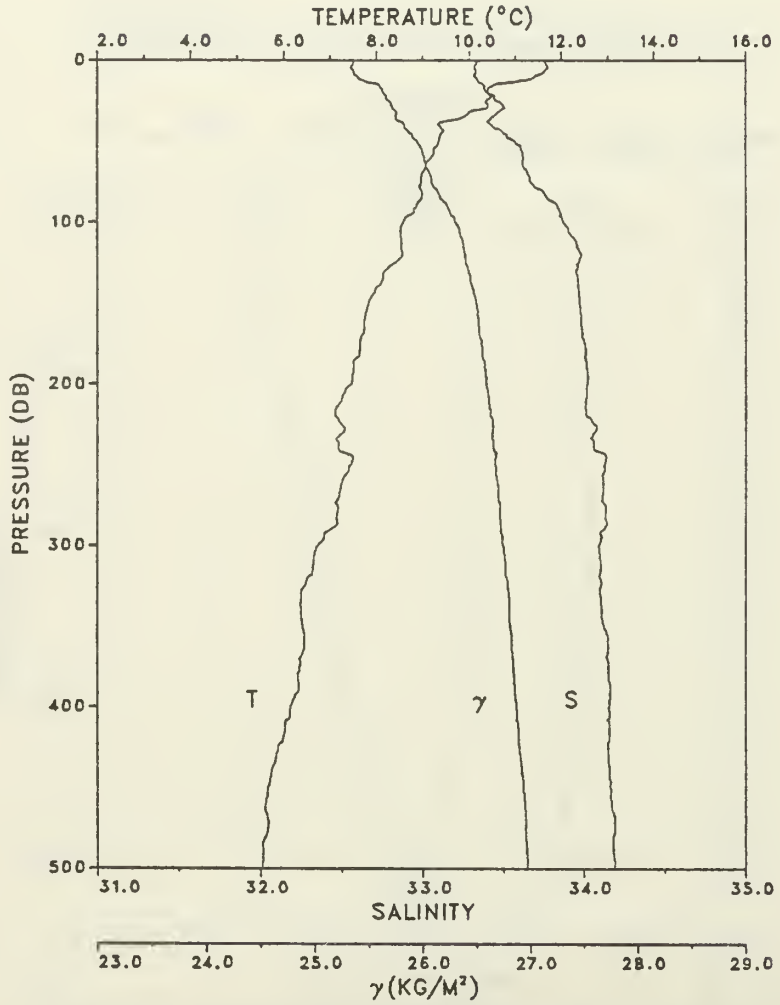
STATION: 71 LAT: 38 18.2 N LON: 123 51.4 W
DATE: 6/21/87 TIME: 1900Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.882	33.356	25.143	281.2	0.000
5	12.856	33.358	25.150	280.6	0.011
10	12.830	33.364	25.160	279.8	0.025
15	12.751	33.468	25.256	270.8	0.039
20	12.791	33.507	25.278	268.8	0.053
25	12.603	33.464	25.281	268.6	0.066
30	12.446	33.468	25.315	265.5	0.079
35	11.847	33.414	25.387	258.8	0.092
40	11.584	33.463	25.473	250.6	0.105
45	11.808	33.555	25.503	247.9	0.118
50	11.402	33.588	25.604	238.4	0.130
60	10.552	33.648	25.802	219.7	0.153
70	10.090	33.717	25.935	207.2	0.174
80	9.955	33.757	25.989	202.3	0.194
90	9.438	33.759	26.076	194.1	0.214
100	8.964	33.770	26.161	186.2	0.233
125	8.644	33.888	26.303	173.1	0.278
150	8.269	33.947	26.407	163.6	0.320
175	7.997	34.005	26.493	155.8	0.360
200	7.911	34.059	26.548	150.9	0.399
225	7.665	34.063	26.587	147.6	0.436
250	7.411	34.052	26.615	145.2	0.472
275	7.216	34.062	26.650	142.1	0.508
300	6.922	34.069	26.696	138.0	0.543
325	6.642	34.077	26.740	134.0	0.577
350	6.437	34.100	26.785	129.9	0.610
375	6.275	34.131	26.831	125.8	0.642
400	6.236	34.151	26.852	124.2	0.674
425	6.093	34.164	26.880	121.7	0.704
450	5.960	34.182	26.911	118.9	0.734
475	5.744	34.182	26.958	116.5	0.764
499	5.585	34.190	26.964	114.2	0.792



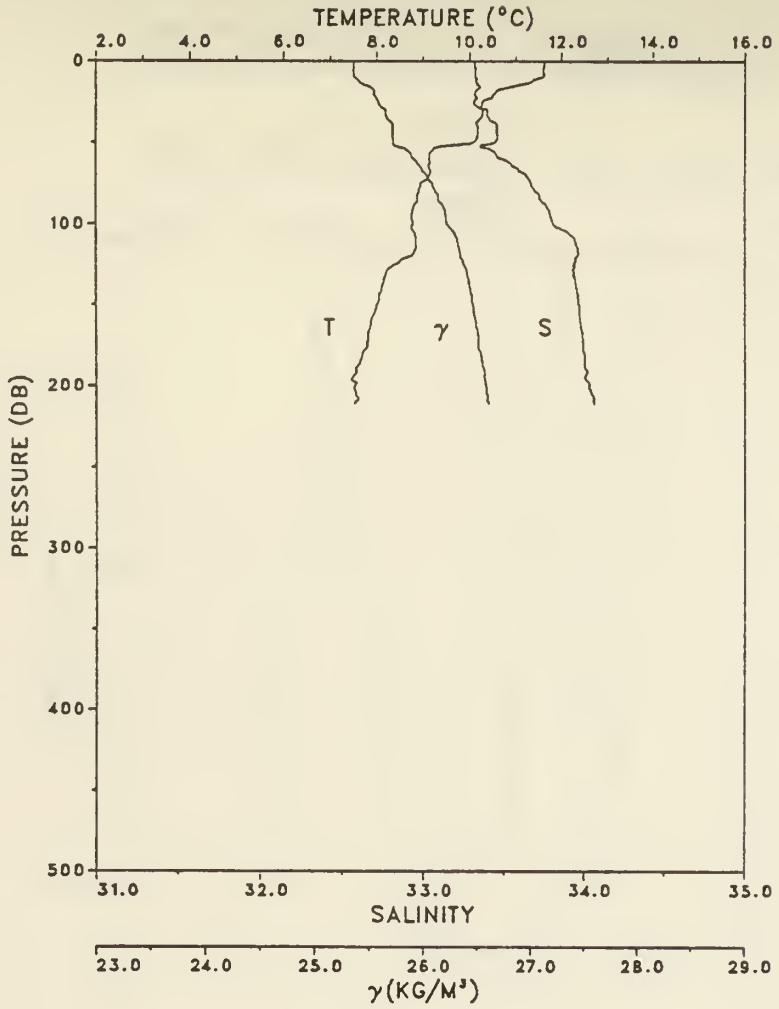
STATION: 72 LAT: 38 25.3 N LON: 123 55.1 W
DATE: 6/21/87 TIME: 2100Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.973	33.317	25.095	285.7	0.000
5	12.998	33.320	25.093	286.1	0.011
10	12.985	33.321	25.096	285.9	0.026
15	12.915	33.338	25.123	283.4	0.040
20	12.702	33.464	25.262	270.3	0.054
25	12.462	33.542	25.369	260.2	0.067
30	11.336	33.436	25.498	248.1	0.080
35	11.139	33.592	25.655	233.3	0.092
40	10.332	33.513	25.735	225.7	0.103
45	9.843	33.489	25.799	219.7	0.114
50	9.528	33.530	25.883	211.8	0.125
60	9.538	33.669	25.990	201.8	0.146
70	9.303	33.752	26.093	192.2	0.166
80	9.185	33.832	26.174	184.6	0.184
90	9.046	33.904	26.253	177.3	0.203
100	8.857	33.929	26.302	172.8	0.220
125	8.685	34.000	26.385	165.4	0.262
150	8.495	34.056	26.458	158.8	0.303
175	8.231	34.091	26.526	152.8	0.342
200	7.728	34.048	26.566	149.2	0.380
225	7.576	34.070	26.606	145.8	0.416
250	7.268	34.069	26.648	142.0	0.452
275	7.208	34.119	26.696	137.8	0.487
300	7.099	34.141	26.729	135.0	0.521
325	6.857	34.139	26.760	132.3	0.555
350	6.605	34.172	26.820	126.8	0.587
375	6.472	34.174	26.839	125.2	0.619
400	6.274	34.193	26.880	121.5	0.650
425	6.035	34.184	26.904	119.4	0.680
450	5.911	34.202	26.933	116.8	0.709
475	5.792	34.214	26.958	114.7	0.738
499	5.760	34.238	26.981	112.8	0.765



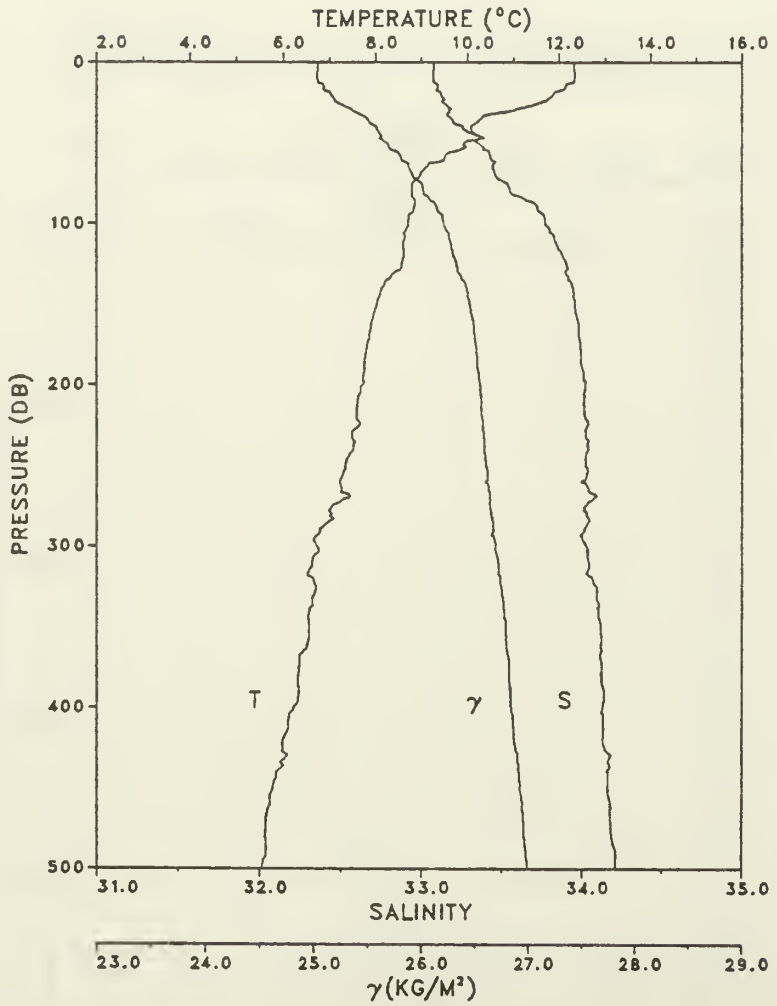
STATION: 73 LAT: 38 32.1 N LON: 124 0.0 W
DATE: 6/21/87 TIME: 2200Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.653	33.331	25.358	260.7	0.000
5	11.702	33.316	25.337	262.8	0.010
10	11.422	33.319	25.391	257.8	0.023
15	10.604	33.372	25.578	240.1	0.036
20	10.408	33.391	25.627	235.6	0.048
25	10.373	33.448	25.677	230.9	0.059
30	10.358	33.502	25.722	226.7	0.071
35	9.904	33.435	25.746	224.5	0.082
40	9.326	33.418	25.828	216.8	0.093
45	9.413	33.499	25.877	212.2	0.104
50	9.333	33.569	25.945	205.9	0.114
60	9.182	33.621	26.010	199.9	0.135
70	8.979	33.646	26.062	195.1	0.154
80	8.960	33.727	26.128	189.0	0.174
90	8.852	33.830	26.226	179.9	0.192
100	8.559	33.869	26.302	172.8	0.210
125	8.415	33.963	26.397	164.1	0.252
150	7.824	33.971	26.492	155.4	0.292
175	7.640	34.002	26.543	150.9	0.330
200	7.442	34.019	26.585	147.3	0.367
225	7.251	34.063	26.646	141.8	0.404
250	7.423	34.122	26.668	140.2	0.439
275	7.152	34.128	26.711	136.4	0.473
300	6.720	34.088	26.739	133.9	0.507
325	6.442	34.100	26.785	129.6	0.540
350	6.402	34.122	26.807	127.8	0.572
375	6.335	34.145	26.834	125.6	0.604
400	6.137	34.152	26.865	122.8	0.635
425	5.873	34.148	26.895	120.0	0.665
450	5.652	34.163	26.935	116.4	0.695
475	5.650	34.189	26.955	114.8	0.724
499	5.523	34.187	26.969	113.6	0.751



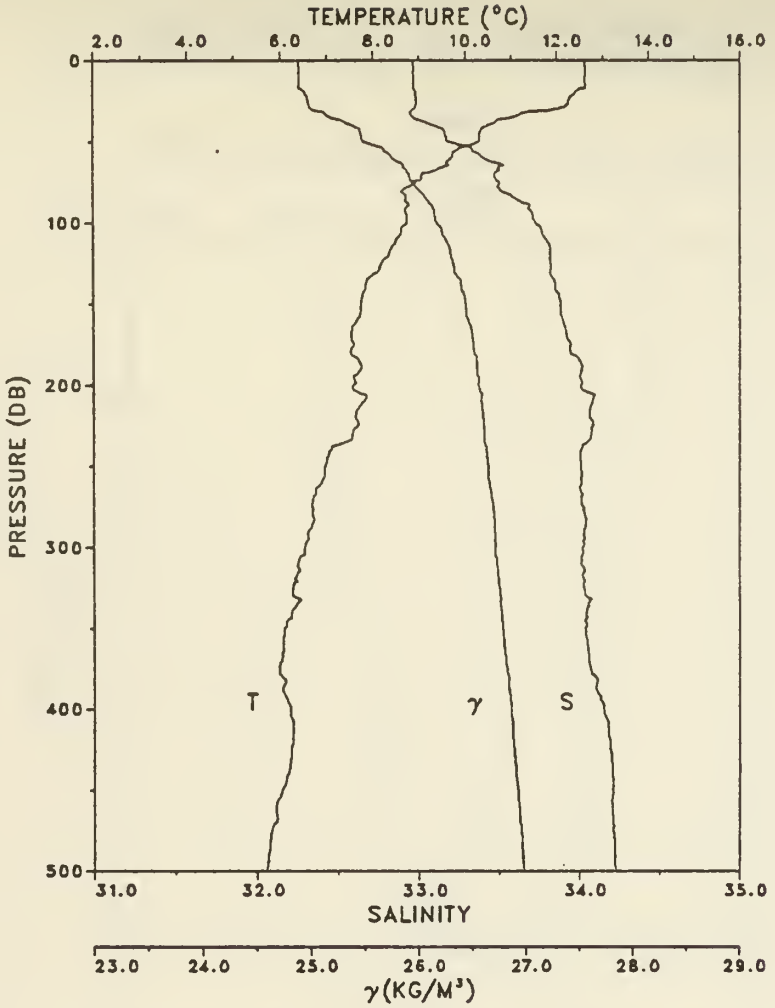
STATION: 731 LAT: 38 30.4 N LON: 124 1.1 W
DATE: 6/21/87 TIME: 2323Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.611	33.319	25.357	260.9	0.000
5	11.603	33.322	25.360	260.6	0.010
10	11.594	33.322	25.362	260.6	0.023
15	11.093	33.334	25.462	251.1	0.036
20	10.549	33.315	25.543	243.5	0.049
25	10.273	33.311	25.587	239.4	0.061
30	10.286	33.396	25.652	233.4	0.073
35	10.255	33.404	25.663	232.4	0.084
40	10.173	33.456	25.718	227.3	0.096
45	10.168	33.458	25.720	227.2	0.107
50	10.084	33.444	25.723	227.0	0.118
60	9.125	33.466	25.898	210.5	0.140
70	9.129	33.635	26.029	198.2	0.161
80	8.904	33.691	26.109	190.8	0.180
90	8.789	33.767	26.186	183.6	0.199
100	8.779	33.806	26.218	180.8	0.217
125	8.409	33.936	26.377	166.0	0.260
150	8.002	33.967	26.463	158.3	0.301
175	7.791	33.992	26.513	153.8	0.340
200	7.517	34.030	26.583	147.5	0.378
211	7.525	34.060	26.605	145.6	0.394



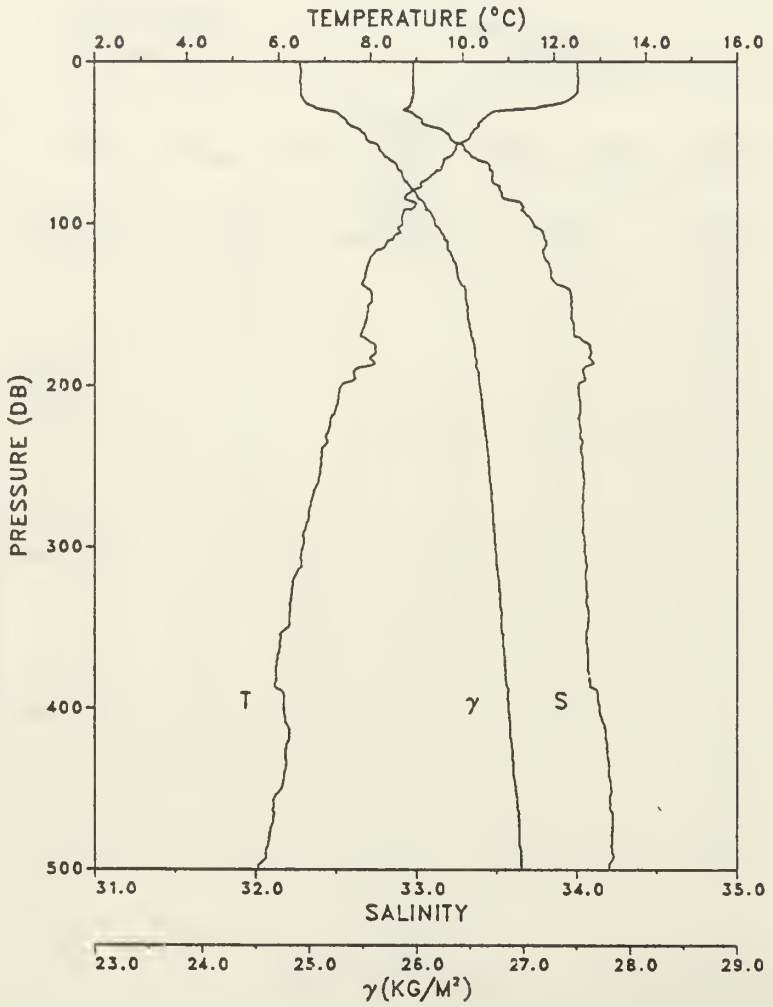
STATION: 74 LAT: 38 36.3 N LON: 124 2.9 W
DATE: 6/22/87 TIME: 0100Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.328	33.074	25.032	291.8	0.000
5	12.329	33.072	25.030	292.0	0.012
10	12.335	33.072	25.029	292.2	0.026
15	12.137	33.101	25.089	286.6	0.041
20	11.858	33.122	25.158	280.2	0.055
25	11.582	33.137	25.220	274.3	0.069
30	11.007	33.174	25.353	261.8	0.082
35	10.293	33.187	25.487	249.1	0.095
40	10.079	33.256	25.577	240.6	0.107
45	10.214	33.342	25.622	236.5	0.119
50	9.911	33.351	25.680	231.1	0.131
60	9.494	33.434	25.813	218.6	0.153
70	8.967	33.457	25.915	209.0	0.175
80	8.793	33.553	26.018	199.4	0.195
90	8.835	33.720	26.142	187.8	0.214
100	8.699	33.770	26.202	182.2	0.233
125	8.561	33.903	26.328	170.7	0.277
150	8.019	33.954	26.450	159.5	0.318
175	7.817	33.989	26.507	154.4	0.358
200	7.702	34.017	26.546	151.1	0.396
225	7.637	34.033	26.568	149.4	0.433
250	7.322	34.020	26.602	146.3	0.470
275	7.061	34.017	26.636	143.4	0.507
300	6.731	34.028	26.690	138.5	0.542
325	6.708	34.090	26.742	133.9	0.576
350	6.555	34.115	26.782	130.4	0.609
375	6.340	34.120	26.814	127.5	0.641
400	6.221	34.126	26.834	125.8	0.673
425	5.991	34.147	26.880	121.6	0.704
450	5.771	34.160	26.918	118.2	0.734
475	5.623	34.181	26.952	115.0	0.763
499	5.548	34.210	26.984	112.2	0.790



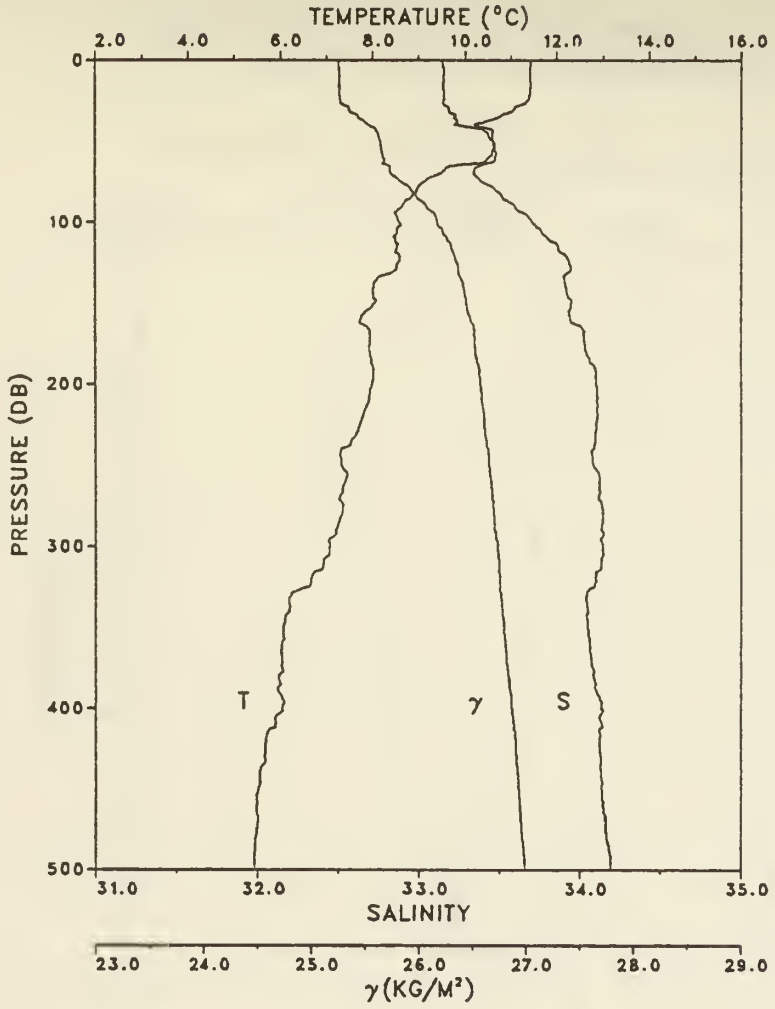
STATION: 75 LAT: 38 41.4 N LON: 124 6.1 W
DATE: 6/22/87 TIME: 0223Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.620	32.962	24.889	305.4	0.000
5	12.624	32.966	24.891	305.2	0.012
10	12.618	32.967	24.893	305.2	0.027
15	12.626	32.967	24.892	305.4	0.043
20	12.415	32.985	24.946	300.3	0.058
25	12.261	32.984	24.975	297.7	0.073
30	12.031	32.970	25.007	294.7	0.088
35	11.091	32.963	25.174	279.0	0.102
40	10.534	33.079	25.362	261.1	0.115
45	10.320	33.161	25.462	251.7	0.128
50	10.295	33.180	25.482	250.0	0.141
60	9.713	33.395	25.747	224.9	0.165
70	9.081	33.470	25.908	209.7	0.186
80	8.652	33.505	26.002	200.9	0.207
90	8.765	33.691	26.130	188.9	0.226
100	8.728	33.725	26.163	186.0	0.245
125	8.188	33.820	26.319	171.4	0.290
150	7.744	33.882	26.434	160.9	0.331
175	7.582	33.944	26.506	154.4	0.371
200	7.572	34.006	26.556	150.1	0.409
225	7.658	34.085	26.606	145.8	0.446
250	6.963	34.008	26.643	142.3	0.482
275	6.700	34.027	26.693	137.8	0.517
300	6.514	34.019	26.711	136.3	0.551
325	6.268	34.028	26.751	132.7	0.585
350	6.075	34.034	26.780	130.1	0.618
375	5.976	34.067	26.819	126.8	0.650
400	6.216	34.152	26.855	123.8	0.681
425	6.224	34.192	26.886	121.3	0.712
450	6.024	34.208	26.924	117.8	0.742
475	5.808	34.211	26.953	115.1	0.771
499	5.704	34.223	26.976	113.2	0.798



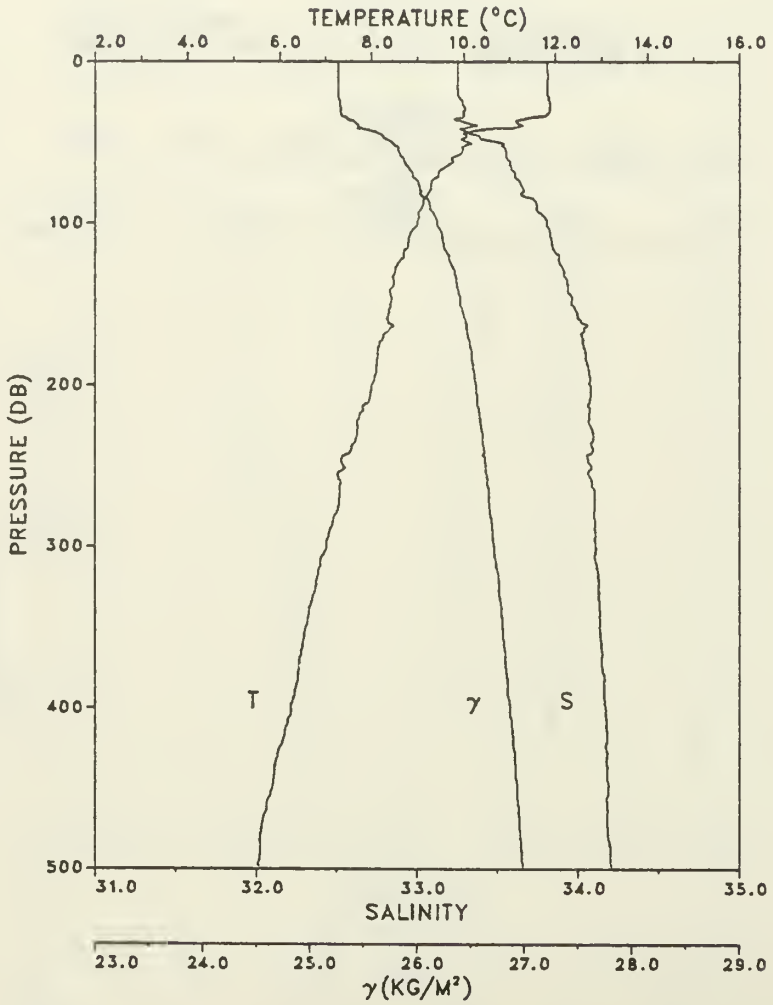
STATION: 76 LAT: 38 33.2 N LON: 124 6.7 W
DATE: 6/22/87 TIME: 0400Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.518	32.976	24.920	302.4	0.000
5	12.517	32.977	24.921	302.4	0.012
10	12.523	32.978	24.920	302.6	0.027
15	12.517	32.979	24.922	302.5	0.042
20	12.496	32.976	24.924	302.5	0.057
25	12.232	32.970	24.970	298.2	0.072
30	11.125	32.919	25.134	282.7	0.087
35	10.481	33.018	25.323	264.7	0.101
40	10.373	33.073	25.385	259.0	0.114
45	10.169	33.198	25.517	246.5	0.126
50	9.990	33.238	25.578	240.7	0.139
60	9.641	33.369	25.738	225.7	0.162
70	9.348	33.472	25.867	213.7	0.184
80	8.896	33.523	25.978	203.2	0.205
90	8.957	33.669	26.083	193.4	0.225
100	8.684	33.724	26.169	185.4	0.244
125	7.944	33.827	26.361	167.4	0.288
150	7.939	33.961	26.467	157.8	0.328
175	8.101	34.079	26.536	151.8	0.367
200	7.356	34.007	26.587	147.0	0.404
225	7.100	34.017	26.631	143.2	0.441
250	6.905	34.033	26.670	139.7	0.476
275	6.676	34.032	26.700	137.1	0.511
300	6.514	34.045	26.732	134.3	0.544
325	6.294	34.059	26.772	130.8	0.578
350	6.191	34.067	26.791	129.2	0.610
375	5.942	34.069	26.824	126.2	0.642
400	6.107	34.139	26.859	123.4	0.673
425	6.154	34.188	26.892	120.7	0.704
450	6.039	34.214	26.927	117.6	0.734
475	5.814	34.222	26.961	114.4	0.763
499	5.540	34.201	26.978	112.8	0.790



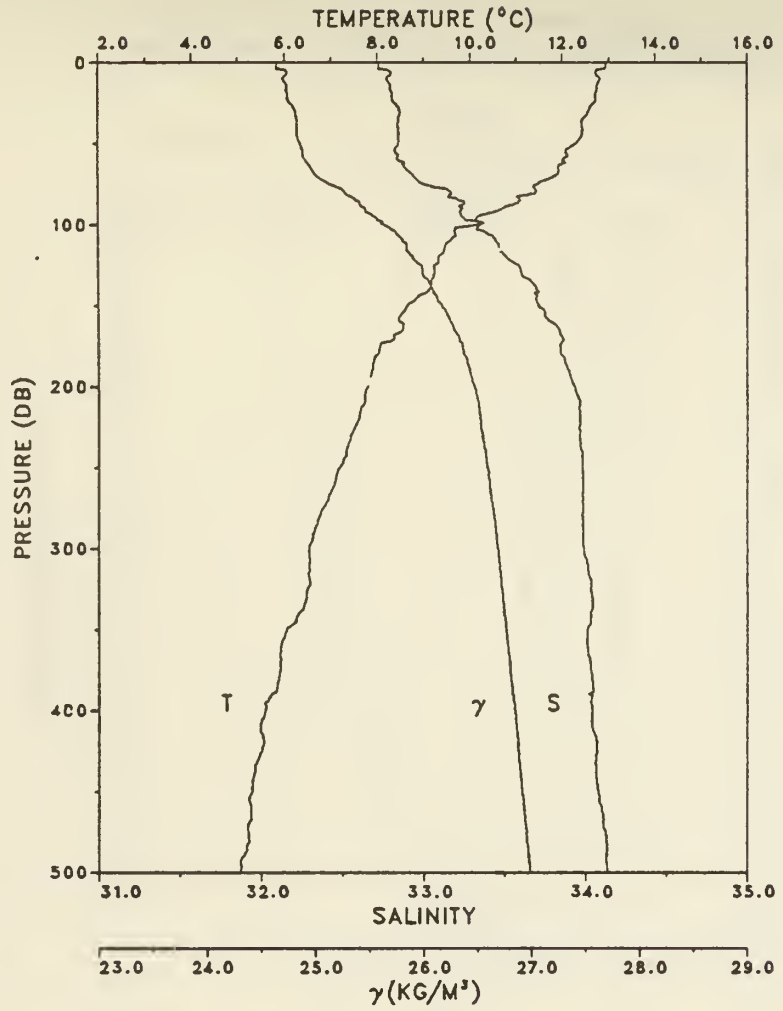
STATION: 77 LAT: 38 27.1 N LON: 124 6.3 W
DATE: 6/22/87 TIME: 0500Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.423	33.146	25.256	270.4	0.000
5	11.417	33.153	25.263	269.9	0.011
10	11.417	33.151	25.261	270.1	0.024
15	11.423	33.152	25.261	270.3	0.038
20	11.413	33.154	25.264	270.0	0.051
25	11.349	33.148	25.271	269.5	0.065
30	11.066	33.182	25.349	262.2	0.078
35	10.768	33.228	25.437	253.9	0.091
40	10.193	33.220	25.530	245.1	0.103
45	10.583	33.426	25.624	236.4	0.116
50	10.623	33.459	25.643	234.7	0.127
60	10.523	33.471	25.669	232.3	0.151
70	9.478	33.341	25.743	225.4	0.174
80	8.960	33.473	25.929	207.8	0.195
90	8.654	33.596	26.073	194.3	0.215
100	8.573	33.704	26.170	185.3	0.234
125	8.556	33.934	26.353	168.4	0.278
150	8.047	33.945	26.439	160.5	0.320
175	7.943	34.030	26.521	153.2	0.359
200	7.981	34.103	26.572	148.7	0.397
225	7.719	34.103	26.611	145.4	0.433
250	7.334	34.087	26.653	141.5	0.469
275	7.352	34.136	26.689	138.5	0.504
300	7.063	34.141	26.734	134.5	0.538
325	6.610	34.086	26.752	132.9	0.572
350	6.060	34.049	26.794	128.8	0.604
375	6.028	34.080	26.822	126.4	0.636
400	6.017	34.132	26.865	122.8	0.668
425	5.668	34.121	26.899	119.5	0.698
450	5.507	34.134	26.929	116.8	0.727
475	5.479	34.159	26.952	114.9	0.756
499	5.421	34.190	26.984	112.1	0.784



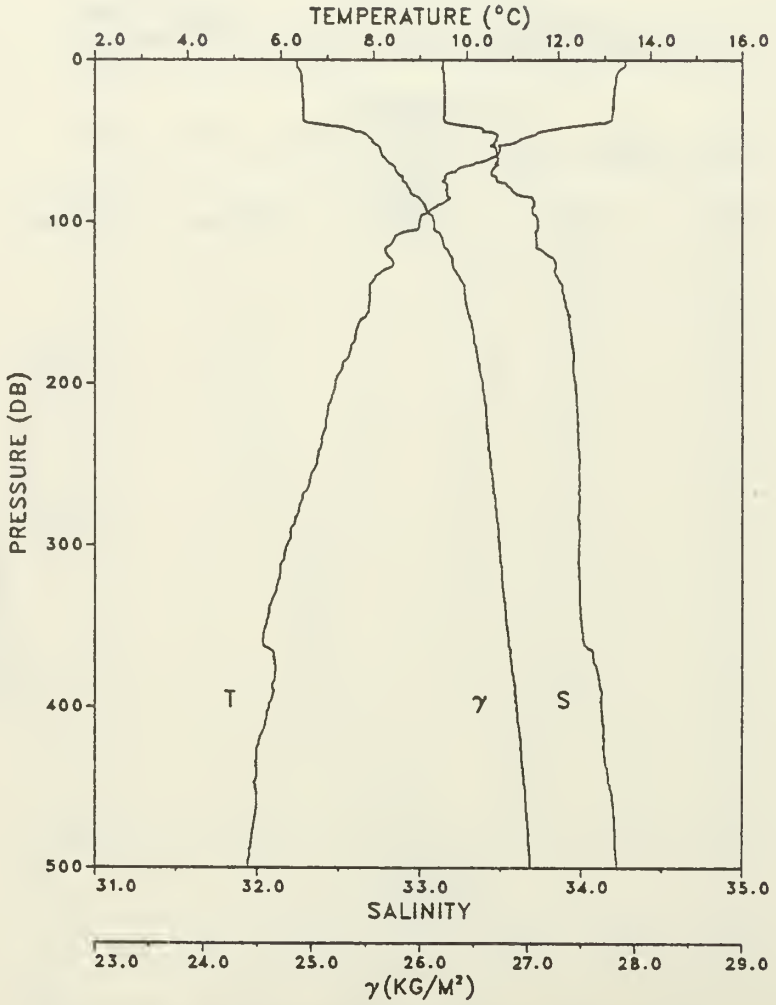
STATION: 78 LAT: 38 20.2 N LON: 124 6.1 W
DATE: 6/22/87 TIME: 0600Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.817	33.248	25.263	269.7	0.000
5	11.828	33.250	25.263	269.9	0.011
10	11.835	33.249	25.261	270.2	0.024
15	11.826	33.247	25.261	270.3	0.038
20	11.832	33.249	25.261	270.4	0.051
25	11.881	33.277	25.274	269.3	0.065
30	11.875	33.290	25.285	268.3	0.078
35	11.465	33.276	25.350	262.3	0.092
40	11.288	33.372	25.457	252.2	0.104
45	9.982	33.318	25.642	234.6	0.117
50	10.111	33.503	25.765	223.0	0.128
60	9.739	33.557	25.869	213.3	0.150
70	9.454	33.606	25.954	205.4	0.171
80	9.263	33.665	26.031	198.2	0.191
90	9.101	33.742	26.117	190.2	0.210
100	8.995	33.804	26.183	184.2	0.229
125	8.568	33.882	26.310	172.4	0.274
150	8.401	33.955	26.393	165.0	0.316
175	8.168	34.034	26.490	156.1	0.356
200	8.002	34.075	26.547	151.1	0.394
225	7.698	34.075	26.592	147.1	0.432
250	7.400	34.080	26.638	143.0	0.468
275	7.285	34.099	26.670	140.3	0.503
300	7.011	34.107	26.714	136.4	0.538
325	6.786	34.126	26.760	132.3	0.571
350	6.566	34.133	26.795	129.2	0.604
375	6.417	34.150	26.828	126.3	0.636
400	6.248	34.169	26.865	123.0	0.667
425	5.985	34.173	26.901	119.6	0.698
450	5.829	34.183	26.929	117.2	0.727
475	5.601	34.183	26.957	114.6	0.756
499	5.537	34.204	26.981	112.5	0.783



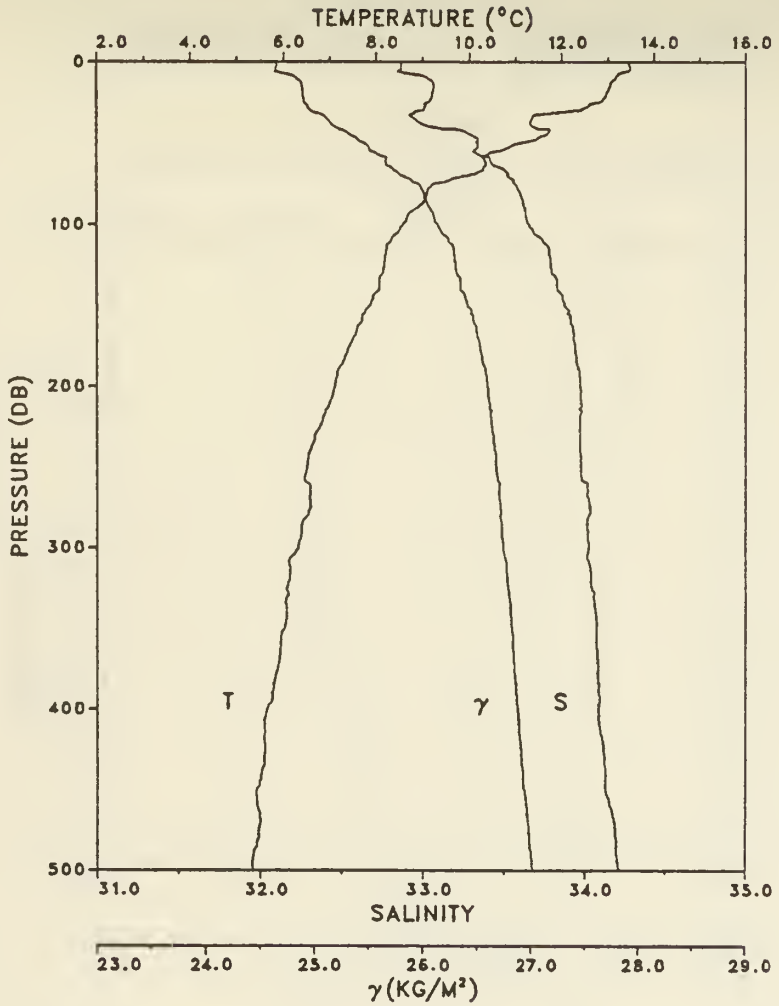
STATION: 79 LAT: 37 43.2 N LON: 124 37.0 W
DATE: 6/25/87 TIME: 1741Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.935	32.725	24.644	328.7	0.000
5	12.733	32.784	24.729	320.7	0.013
10	12.811	32.771	24.704	323.2	0.029
15	12.745	32.798	24.738	320.1	0.045
20	12.724	32.807	24.749	319.1	0.061
25	12.683	32.823	24.769	317.3	0.077
30	12.560	32.857	24.819	312.7	0.093
35	12.445	32.847	24.834	311.4	0.108
40	12.435	32.846	24.835	311.4	0.124
45	12.424	32.847	24.838	311.3	0.140
50	12.304	32.851	24.864	308.9	0.155
60	12.021	32.842	24.910	304.7	0.186
70	11.876	32.937	25.011	295.3	0.216
80	11.428	33.169	25.273	270.5	0.244
90	10.721	33.243	25.457	253.1	0.270
100	10.165	33.352	25.638	236.1	0.295
125	9.218	33.592	25.981	203.8	0.350
150	8.636	33.711	26.166	186.5	0.398
175	8.050	33.844	26.359	168.5	0.443
200	7.777	33.933	26.469	158.4	0.484
225	7.500	33.959	26.529	153.0	0.523
250	7.171	33.979	26.591	147.3	0.560
275	6.818	33.982	26.642	142.7	0.596
300	6.519	33.987	26.686	138.7	0.632
325	6.482	34.031	26.725	135.3	0.666
350	6.036	34.008	26.764	131.6	0.699
375	5.897	34.031	26.800	128.4	0.732
400	5.578	34.037	26.844	124.3	0.763
425	5.517	34.070	26.877	121.4	0.794
450	5.286	34.077	26.910	118.3	0.824
475	5.221	34.122	26.954	114.5	0.853
499	5.050	34.134	26.983	111.8	0.880



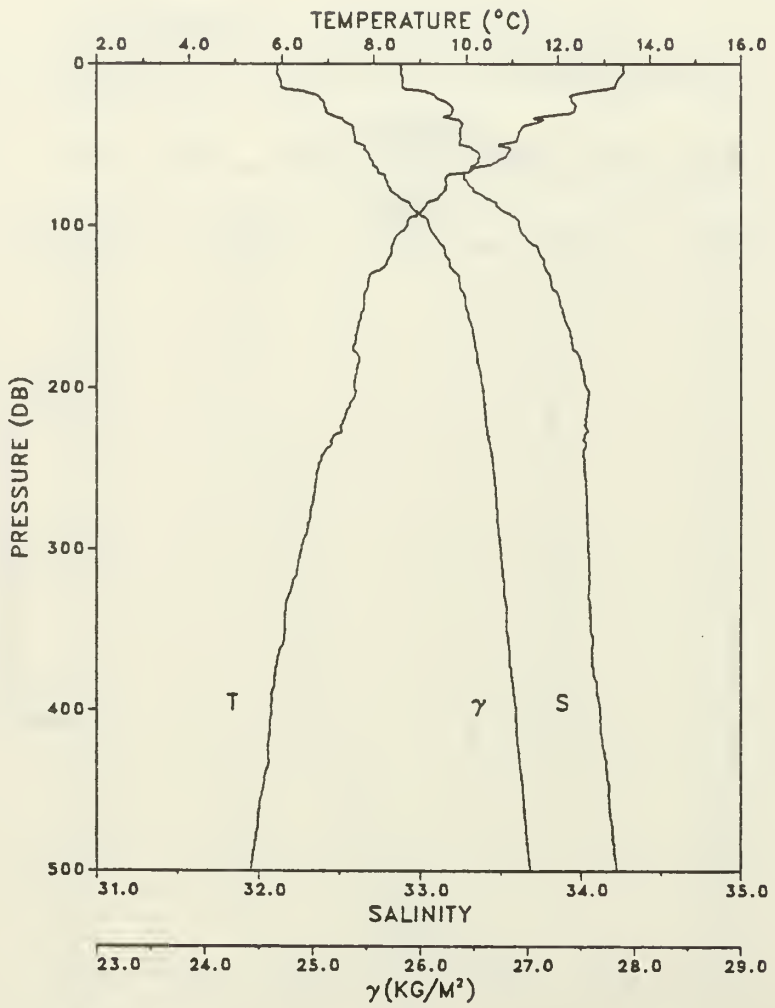
STATION: 80 LAT: 38 0.4 N LON: 124 25.8 W
DATE: 6/25/87 TIME: 2300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.454	33.142	24.864	307.8	0.000
5	13.400	33.131	24.866	307.6	0.012
10	13.263	33.146	24.905	304.0	0.028
15	13.234	33.148	24.913	303.5	0.043
20	13.211	33.149	24.918	303.1	0.058
25	13.195	33.148	24.920	303.0	0.073
30	13.189	33.148	24.922	303.0	0.088
35	13.171	33.147	24.924	302.8	0.103
40	12.724	33.213	25.063	289.7	0.118
45	11.566	33.445	25.463	251.7	0.132
50	11.122	33.465	25.559	242.7	0.144
60	10.594	33.472	25.658	233.5	0.168
70	9.653	33.441	25.793	220.7	0.191
80	9.566	33.568	25.906	210.1	0.212
90	9.369	33.711	26.050	196.6	0.232
100	8.983	33.729	26.126	189.5	0.252
125	8.418	33.841	26.301	173.2	0.297
150	7.903	33.899	26.424	161.9	0.339
175	7.553	33.939	26.506	154.4	0.379
200	7.179	33.962	26.577	147.9	0.416
225	6.963	33.977	26.618	144.3	0.453
250	6.770	33.985	26.651	141.5	0.489
275	6.405	33.983	26.697	137.2	0.523
300	6.125	33.982	26.733	134.0	0.557
325	5.915	33.989	26.765	131.2	0.591
350	5.668	34.001	26.804	127.5	0.623
375	5.893	34.090	26.847	124.0	0.654
400	5.743	34.124	26.893	119.9	0.685
425	5.493	34.138	26.934	116.0	0.714
450	5.446	34.174	26.968	113.1	0.743
475	5.402	34.206	26.999	110.4	0.771
499	5.288	34.219	27.023	108.3	0.797



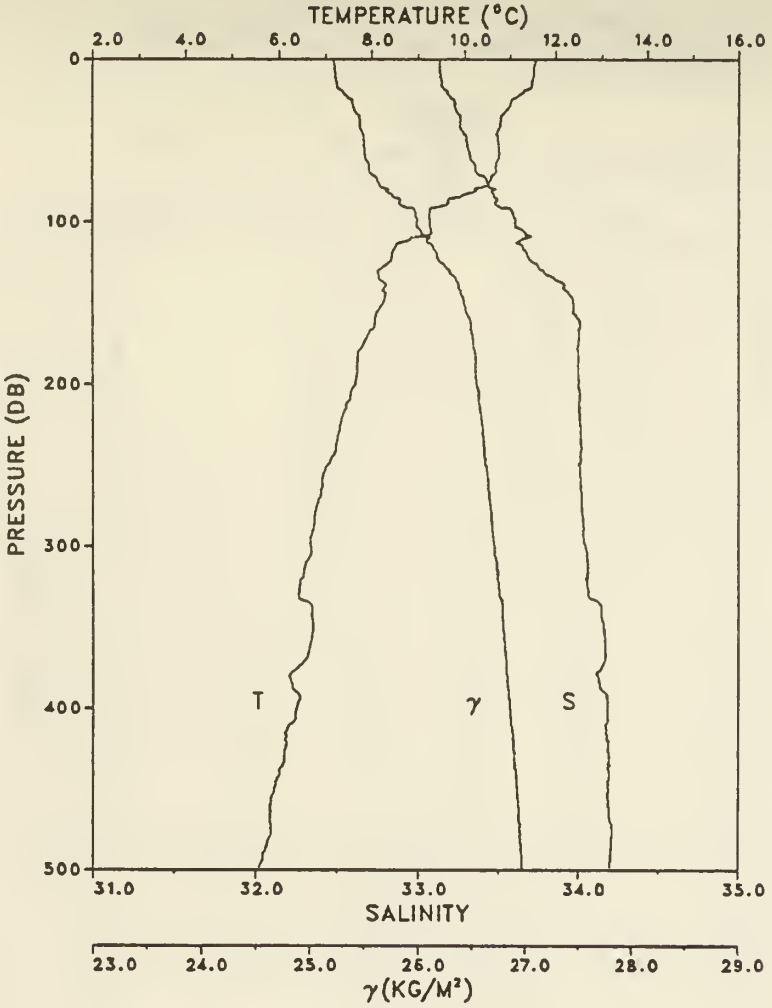
STATION: 81 LAT: 38 7.4 N LON: 124 26.0 W
DATE: 6/26/87 TIME: 0000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.460	32.867	24.650	328.1	0.000
5	13.476	32.864	24.644	328.8	0.013
10	13.160	33.027	24.834	310.9	0.029
15	13.037	33.065	24.887	305.9	0.045
20	12.964	33.058	24.896	305.1	0.060
25	12.820	33.034	24.906	304.3	0.075
30	12.405	33.001	24.961	299.2	0.090
35	11.343	32.946	25.115	284.5	0.105
40	11.361	33.032	25.179	278.6	0.119
45	11.647	33.296	25.332	264.2	0.132
50	11.120	33.335	25.458	252.3	0.145
60	10.321	33.411	25.657	233.5	0.170
70	10.016	33.520	25.794	220.6	0.192
80	9.094	33.595	26.003	200.8	0.213
90	8.881	33.628	26.063	195.3	0.233
100	8.566	33.656	26.134	188.7	0.252
125	8.170	33.788	26.297	173.6	0.298
150	7.853	33.873	26.411	163.1	0.340
175	7.416	33.937	26.524	152.7	0.379
200	7.097	33.970	26.594	146.2	0.417
225	6.787	33.970	26.637	142.5	0.453
250	6.506	33.973	26.676	138.9	0.488
275	6.572	34.028	26.711	136.0	0.522
300	6.313	34.022	26.740	133.4	0.556
325	6.067	34.041	26.787	129.2	0.589
350	6.007	34.071	26.818	126.5	0.621
375	5.862	34.081	26.844	124.3	0.652
400	5.629	34.085	26.876	121.4	0.683
425	5.587	34.116	26.905	118.8	0.713
450	5.412	34.127	26.935	116.2	0.742
475	5.466	34.189	26.978	112.5	0.771
499	5.326	34.208	27.009	109.6	0.797



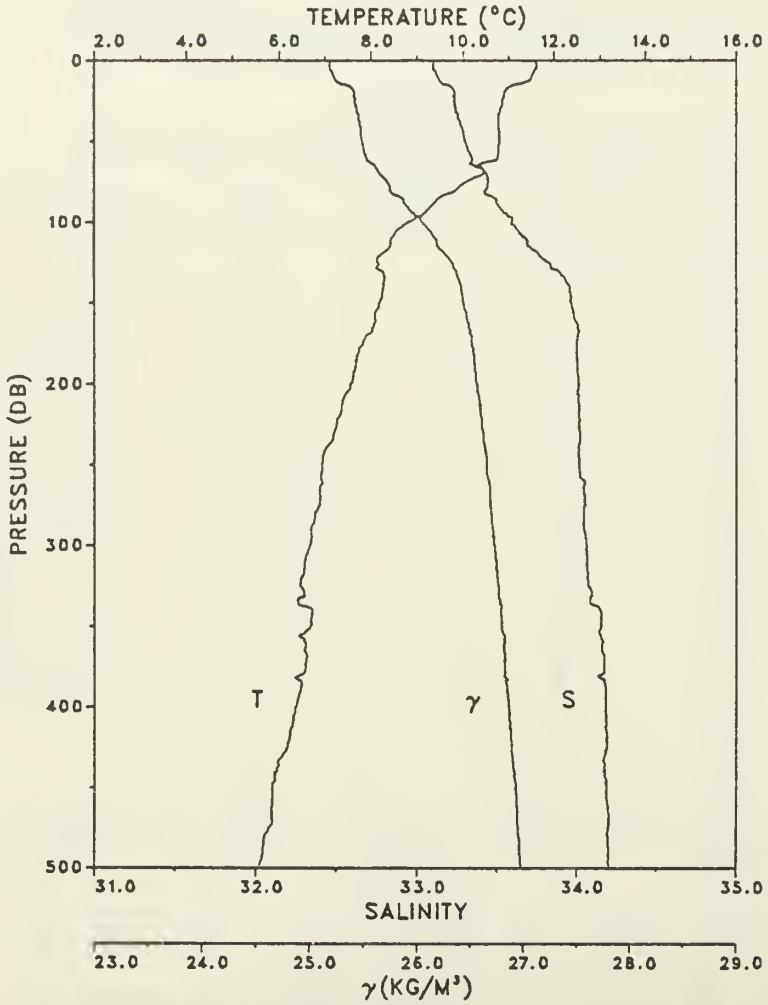
STATION: 82 LAT: 38 14.4 N LON: 124 25.8 W
DATE: 6/26/87 TIME: 0200Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.411	32.882	24.671	326.1	0.000
5	13.430	32.882	24.668	326.6	0.013
10	13.294	32.892	24.703	323.3	0.029
15	13.231	32.892	24.715	322.3	0.045
20	12.262	33.096	25.062	289.4	0.061
25	12.369	33.181	25.107	285.2	0.075
30	12.330	33.196	25.126	283.5	0.089
35	11.694	33.245	25.284	268.6	0.103
40	11.208	33.248	25.375	260.0	0.116
45	11.118	33.249	25.392	258.5	0.129
50	10.716	33.243	25.458	252.2	0.142
60	10.691	33.360	25.554	243.4	0.167
70	9.564	33.268	25.672	232.1	0.191
80	9.482	33.357	25.755	224.5	0.213
90	9.062	33.495	25.930	207.9	0.235
100	8.710	33.612	26.077	194.1	0.255
125	8.220	33.773	26.278	175.4	0.301
150	7.768	33.872	26.422	162.0	0.344
175	7.539	33.945	26.513	153.8	0.383
200	7.563	34.034	26.579	147.9	0.421
225	7.284	34.030	26.615	144.7	0.457
250	6.776	34.016	26.674	139.3	0.493
275	6.621	34.032	26.708	136.4	0.527
300	6.413	34.041	26.742	133.3	0.561
325	6.190	34.046	26.775	130.4	0.594
350	6.061	34.058	26.801	128.2	0.626
375	5.860	34.076	26.840	124.6	0.658
400	5.764	34.116	26.884	120.7	0.688
425	5.704	34.142	26.912	118.4	0.718
450	5.575	34.173	26.952	114.7	0.748
475	5.454	34.194	26.983	112.0	0.776
499	5.327	34.221	27.020	108.7	0.802



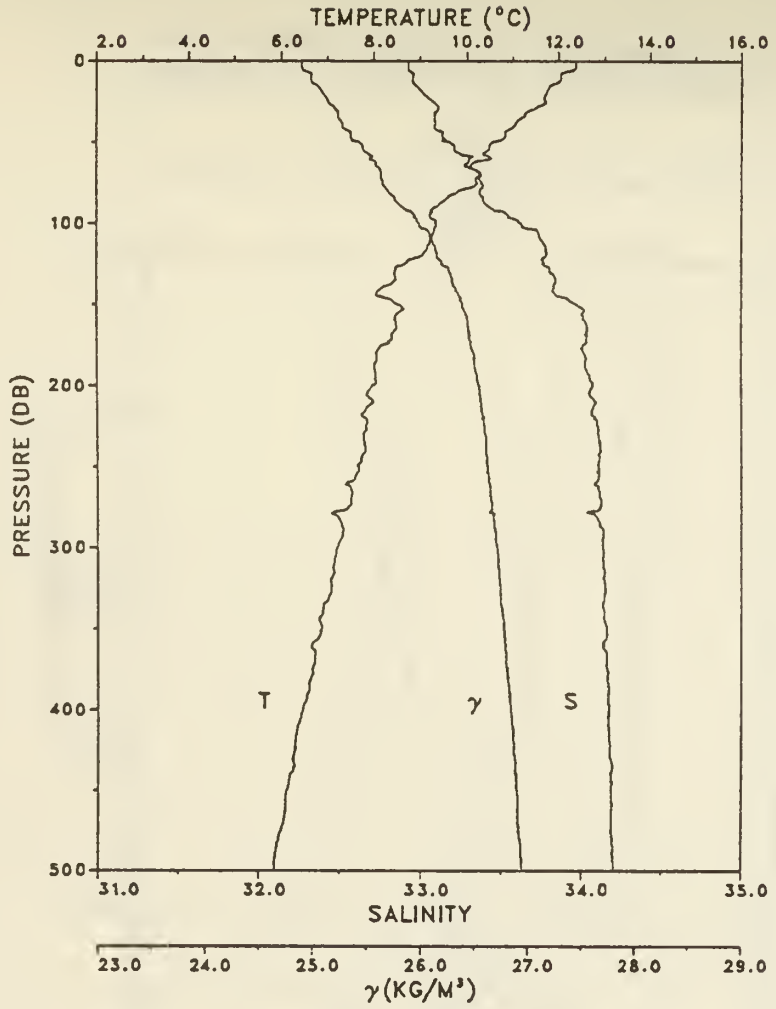
STATION: 825 LAT: 38 17.6 N LON: 124 26.4 W
DATE: 6/26/87 TIME: 0300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.546	33.128	25.220	273.9	0.000
5	11.521	33.128	25.225	273.5	0.011
10	11.516	33.135	25.231	273.0	0.025
15	11.483	33.142	25.242	272.0	0.038
20	11.287	33.181	25.308	265.9	0.052
25	11.012	33.224	25.391	258.1	0.065
30	10.947	33.231	25.408	256.6	0.078
35	10.801	33.262	25.458	251.9	0.090
40	10.781	33.259	25.459	251.9	0.103
45	10.701	33.275	25.486	249.5	0.115
50	10.731	33.298	25.498	248.4	0.128
60	10.756	33.320	25.511	247.4	0.153
70	10.697	33.360	25.552	243.7	0.177
80	10.208	33.483	25.733	226.7	0.201
90	9.587	33.487	25.839	216.6	0.223
100	9.242	33.601	25.985	203.0	0.244
125	8.378	33.720	26.212	181.6	0.292
150	8.246	33.968	26.427	161.7	0.335
175	7.826	33.997	26.512	153.9	0.374
200	7.650	33.998	26.538	151.8	0.413
225	7.311	34.013	26.598	146.3	0.450
250	7.021	34.010	26.636	143.0	0.486
275	6.805	34.020	26.673	139.7	0.521
300	6.686	34.044	26.708	136.7	0.556
325	6.439	34.056	26.751	132.9	0.590
350	6.735	34.157	26.791	129.6	0.622
375	6.394	34.138	26.821	126.9	0.655
400	6.376	34.178	26.855	124.0	0.686
425	6.134	34.181	26.889	120.9	0.716
450	5.882	34.185	26.924	117.7	0.746
475	5.826	34.208	26.949	115.6	0.775
499	5.559	34.195	26.971	113.5	0.803



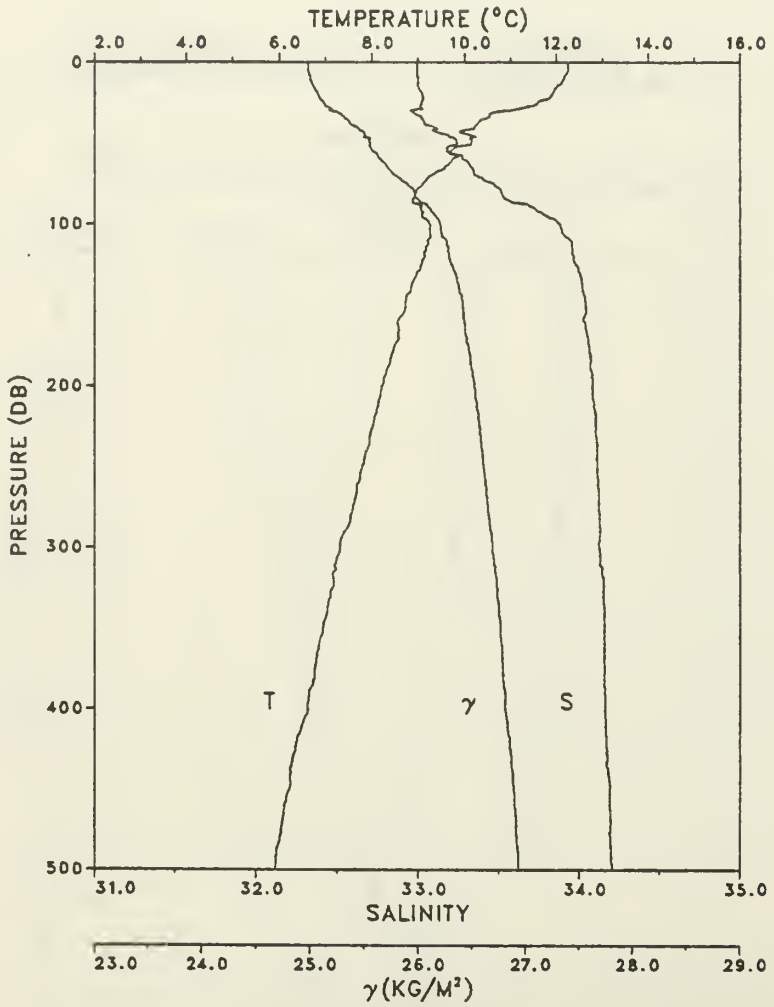
STATION: 826 LAT: 38 18.0 N LON: 124 28.0 W
DATE: 6/26/87 TIME: 0441Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.608	33.099	25.186	277.1	0.000
5	11.611	33.098	25.185	277.3	0.011
10	11.507	33.127	25.226	273.5	0.025
15	11.224	33.158	25.302	266.4	0.038
20	10.902	33.232	25.417	255.5	0.051
25	10.866	33.228	25.420	255.3	0.064
30	10.820	33.238	25.436	253.9	0.077
35	10.778	33.253	25.455	252.2	0.090
40	10.773	33.273	25.471	250.8	0.102
45	10.802	33.287	25.477	250.3	0.115
50	10.793	33.299	25.488	249.4	0.127
60	10.756	33.340	25.527	245.9	0.152
70	10.443	33.433	25.653	234.0	0.176
80	9.855	33.435	25.755	224.5	0.199
90	9.304	33.510	25.903	210.5	0.221
100	8.801	33.593	26.048	196.9	0.241
125	8.153	33.823	26.327	170.7	0.287
150	8.176	33.963	26.433	161.1	0.328
175	7.828	34.000	26.514	153.7	0.368
200	7.551	34.011	26.563	149.4	0.406
225	7.247	34.015	26.609	145.3	0.442
250	6.937	34.014	26.651	141.5	0.478
275	6.881	34.046	26.684	138.8	0.513
300	6.662	34.060	26.724	135.2	0.548
325	6.458	34.074	26.762	131.8	0.581
350	6.671	34.149	26.793	129.4	0.614
375	6.580	34.171	26.823	126.9	0.646
400	6.356	34.182	26.861	123.4	0.677
425	6.184	34.188	26.888	121.1	0.708
450	5.852	34.184	26.927	117.4	0.737
475	5.774	34.194	26.944	116.0	0.766
499	5.577	34.199	26.972	113.4	0.794



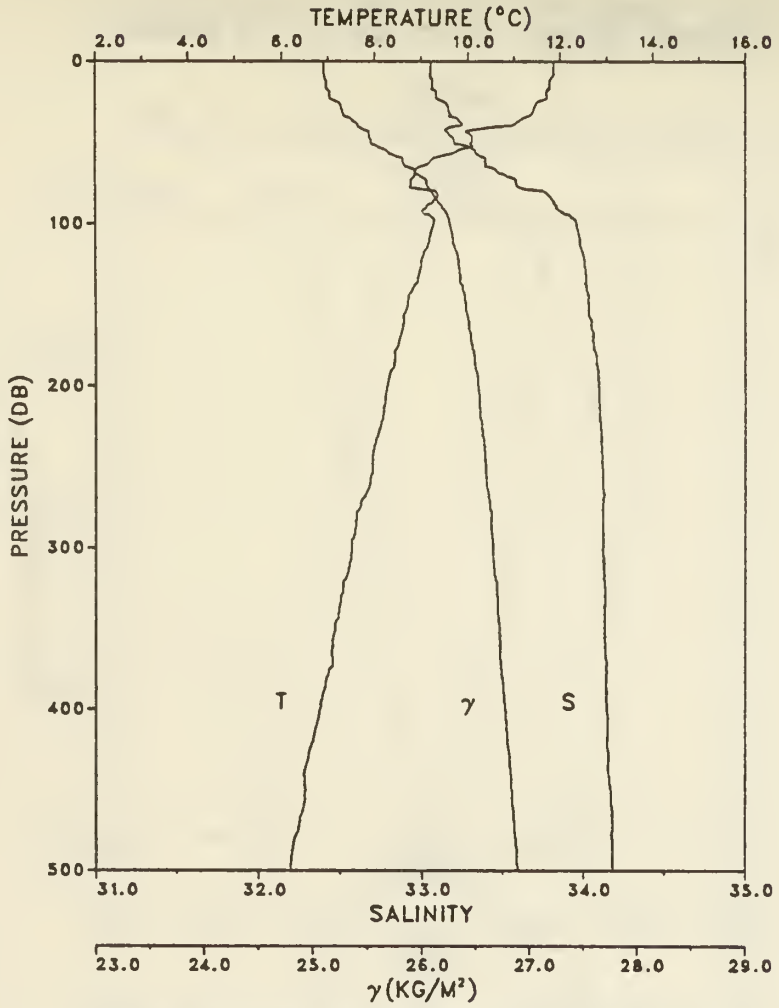
STATION: 83 LAT: 38 21.3 N LON: 124 26.0 W
DATE: 6/26/87 TIME: 0548Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
2	12.378	32.924	24.906	303.7	0.000
5	12.357	32.926	24.912	303.3	0.009
10	12.046	32.954	24.992	295.7	0.024
15	11.854	32.969	25.040	291.3	0.039
20	11.714	33.017	25.103	285.4	0.053
25	11.712	33.078	25.151	281.0	0.067
30	11.453	33.106	25.220	274.5	0.081
35	11.207	33.088	25.250	271.7	0.095
40	11.034	33.087	25.280	268.9	0.108
45	10.837	33.137	25.354	262.0	0.122
50	10.574	33.183	25.436	254.3	0.135
60	10.545	33.304	25.535	245.1	0.160
70	10.283	33.376	25.636	235.6	0.184
80	9.826	33.365	25.705	229.3	0.207
90	9.349	33.423	25.828	217.7	0.229
100	9.333	33.624	25.988	202.7	0.250
125	8.671	33.757	26.197	183.2	0.298
150	8.515	33.973	26.390	165.3	0.342
175	8.202	34.007	26.464	158.6	0.382
200	7.968	34.071	26.549	150.9	0.421
225	7.834	34.103	26.594	147.0	0.458
250	7.664	34.106	26.621	144.7	0.495
275	7.438	34.115	26.661	141.3	0.531
300	7.193	34.131	26.708	137.1	0.565
325	7.076	34.148	26.737	134.6	0.599
350	6.858	34.153	26.771	131.6	0.633
375	6.656	34.157	26.801	128.9	0.665
400	6.448	34.168	26.838	125.7	0.697
425	6.275	34.176	26.867	123.1	0.728
450	6.093	34.183	26.895	120.6	0.759
475	5.973	34.184	26.911	119.3	0.789
499	5.832	34.197	26.939	116.8	0.817



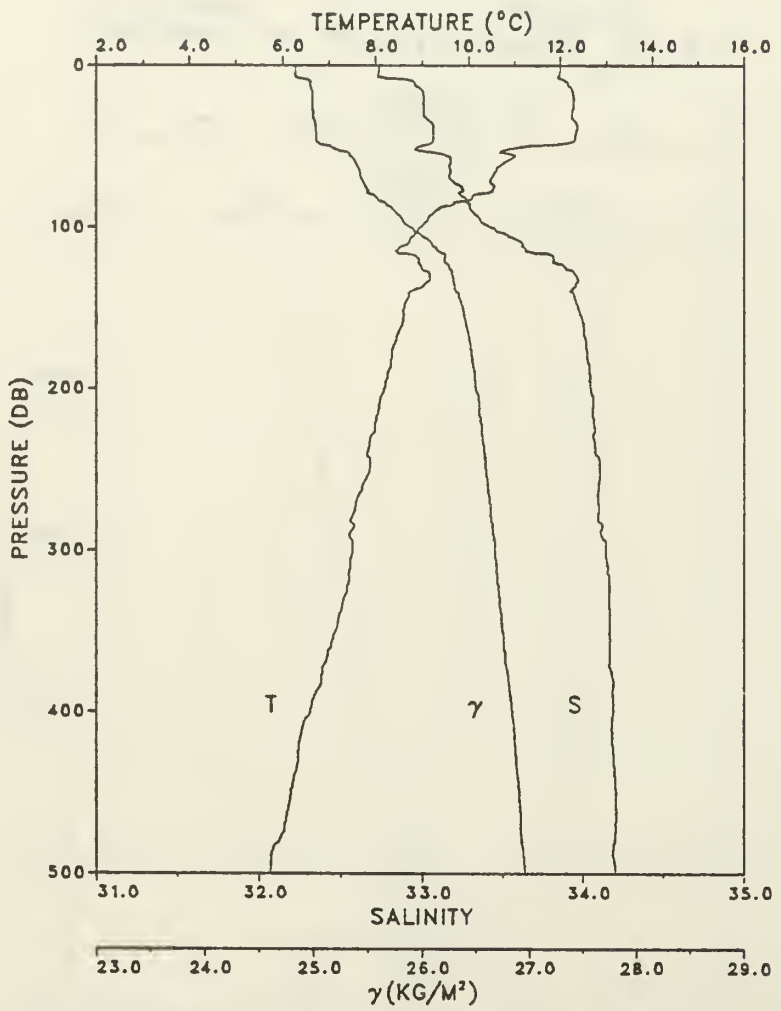
STATION: 84 LAT: 38 28.2 N LON: 124 25.9 W
DATE: 6/26/87 TIME: 0800Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.256	32.991	24.981	296.6	0.000
5	12.251	32.991	24.982	296.6	0.012
10	12.164	32.998	25.004	294.6	0.027
15	12.014	33.000	25.034	291.9	0.041
20	11.901	33.026	25.075	288.1	0.056
25	11.590	33.020	25.128	283.1	0.070
30	11.007	32.956	25.183	277.9	0.084
35	10.467	33.019	25.327	264.4	0.098
40	10.220	33.091	25.425	255.1	0.111
45	10.148	33.189	25.514	246.8	0.123
50	10.151	33.241	25.554	243.1	0.135
60	9.734	33.269	25.645	234.6	0.159
70	9.310	33.348	25.776	222.3	0.182
80	8.955	33.514	25.962	204.7	0.204
90	9.051	33.712	26.102	191.7	0.223
100	9.243	33.879	26.202	182.4	0.242
125	9.054	33.977	26.309	172.7	0.286
150	8.714	34.040	26.412	163.3	0.328
175	8.481	34.060	26.463	158.8	0.369
200	8.211	34.081	26.521	153.7	0.408
225	8.006	34.101	26.567	149.6	0.446
250	7.789	34.110	26.606	146.2	0.483
275	7.585	34.123	26.646	142.8	0.519
300	7.306	34.124	26.686	139.2	0.554
325	7.144	34.149	26.729	135.4	0.588
350	6.939	34.153	26.760	132.7	0.622
375	6.771	34.155	26.784	130.6	0.655
400	6.617	34.159	26.808	128.6	0.687
425	6.352	34.174	26.855	124.3	0.719
450	6.214	34.190	26.885	121.6	0.750
475	6.044	34.192	26.909	119.6	0.780
499	5.910	34.203	26.934	117.3	0.808



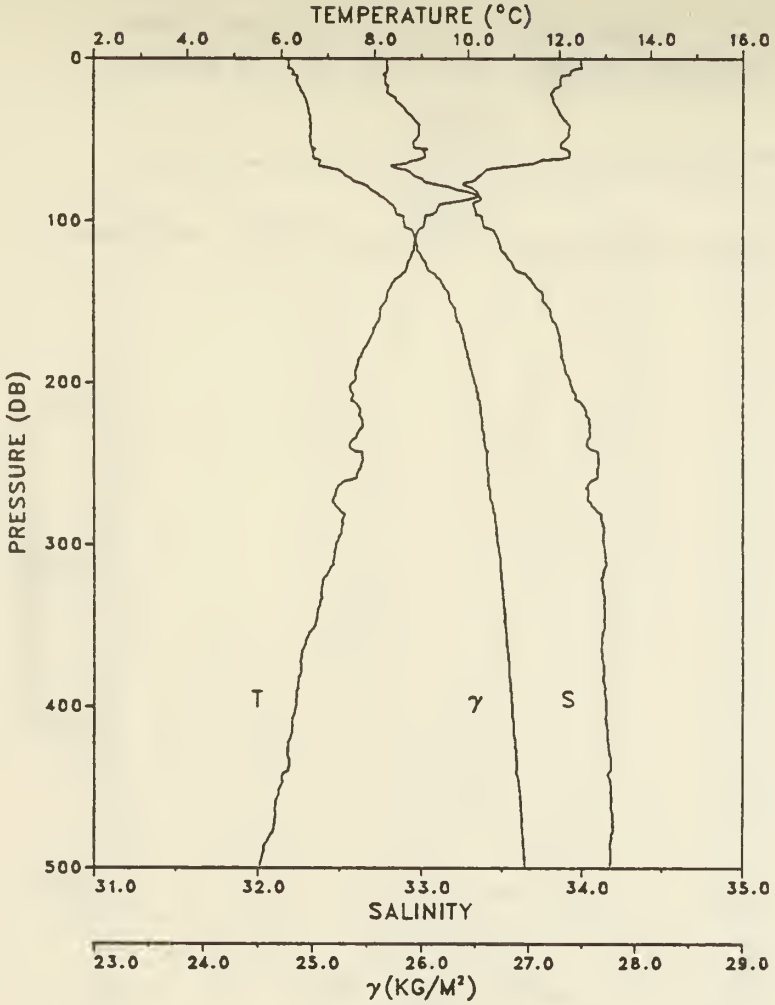
STATION: 85 LAT: 38 35.3 N LON: 124 25.9 W
DATE: 6/26/87 TIME: 0900Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.860	33.055	25.105	284.8	0.000
5	11.860	33.055	25.105	284.9	0.011
10	11.820	33.054	25.112	284.3	0.026
15	11.779	33.066	25.129	282.8	0.040
20	11.710	33.091	25.161	279.9	0.054
25	11.522	33.142	25.235	272.9	0.068
30	11.421	33.167	25.273	269.4	0.081
35	11.219	33.213	25.345	262.7	0.095
40	10.962	33.245	25.416	256.0	0.108
45	10.047	33.172	25.517	246.4	0.120
50	10.078	33.199	25.533	245.0	0.132
60	9.246	33.397	25.824	217.5	0.155
70	8.864	33.507	25.971	203.7	0.177
80	9.301	33.754	26.095	192.2	0.196
90	9.106	33.833	26.188	183.5	0.215
100	9.249	33.957	26.262	176.7	0.233
125	8.995	34.007	26.342	169.6	0.276
150	8.698	34.032	26.408	163.7	0.318
175	8.487	34.066	26.467	158.4	0.358
200	8.262	34.094	26.523	153.4	0.397
225	8.122	34.105	26.553	151.0	0.435
250	7.943	34.118	26.590	147.9	0.473
275	7.675	34.122	26.632	144.1	0.509
300	7.496	34.123	26.659	141.9	0.545
325	7.318	34.134	26.693	139.0	0.580
350	7.136	34.132	26.716	137.0	0.615
375	7.025	34.142	26.740	135.1	0.649
400	6.812	34.144	26.770	132.4	0.682
425	6.594	34.151	26.805	129.2	0.715
450	6.497	34.170	26.833	126.9	0.747
475	6.342	34.179	26.860	124.5	0.778
499	6.172	34.182	26.885	122.3	0.808



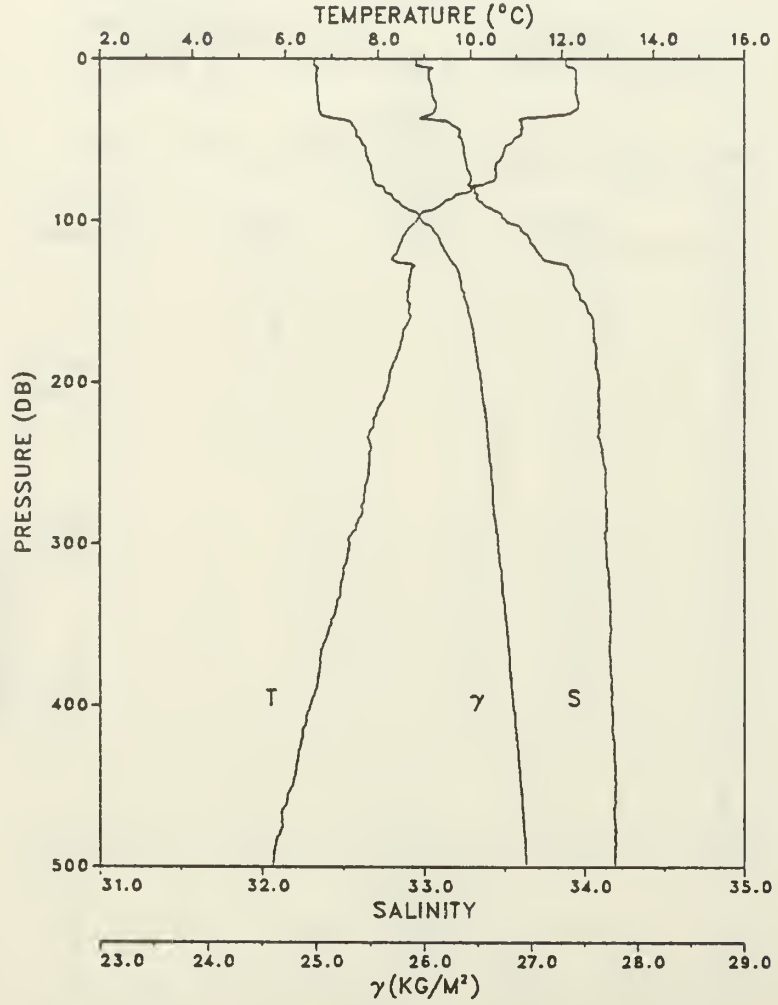
STATION: 86 LAT: 38 42.4 N LON: 124 25.8 W
DATE: 6/26/87 TIME: 1000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.993	32.735	24.832	310.8	0.000
5	11.979	32.731	24.832	310.9	0.012
10	12.123	32.946	24.972	297.7	0.028
15	12.261	32.995	24.983	296.7	0.043
20	12.281	33.006	24.988	296.4	0.057
25	12.282	33.006	24.988	296.5	0.072
30	12.247	33.010	24.998	295.7	0.087
35	12.336	33.049	25.011	294.5	0.102
40	12.355	33.068	25.022	293.6	0.116
45	12.326	33.067	25.027	293.2	0.131
50	11.319	32.993	25.156	281.0	0.145
60	10.802	33.175	25.390	258.9	0.172
70	10.480	33.171	25.443	254.0	0.198
80	10.147	33.234	25.549	244.1	0.223
90	9.300	33.302	25.741	225.9	0.246
100	8.953	33.422	25.890	211.9	0.268
125	8.984	33.888	26.250	178.2	0.317
150	8.601	33.965	26.370	167.2	0.360
175	8.363	34.018	26.448	160.1	0.401
200	8.176	34.045	26.498	155.8	0.441
225	7.985	34.074	26.549	151.3	0.479
250	7.861	34.102	26.589	147.9	0.517
275	7.551	34.094	26.628	144.4	0.553
300	7.495	34.142	26.674	140.5	0.589
325	7.373	34.163	26.708	137.6	0.623
350	7.134	34.166	26.743	134.4	0.657
375	6.862	34.182	26.793	129.9	0.690
400	6.586	34.184	26.832	126.3	0.722
425	6.333	34.186	26.867	123.2	0.754
450	6.183	34.202	26.899	120.3	0.784
475	6.015	34.200	26.919	118.6	0.814
499	5.730	34.201	26.955	115.2	0.842



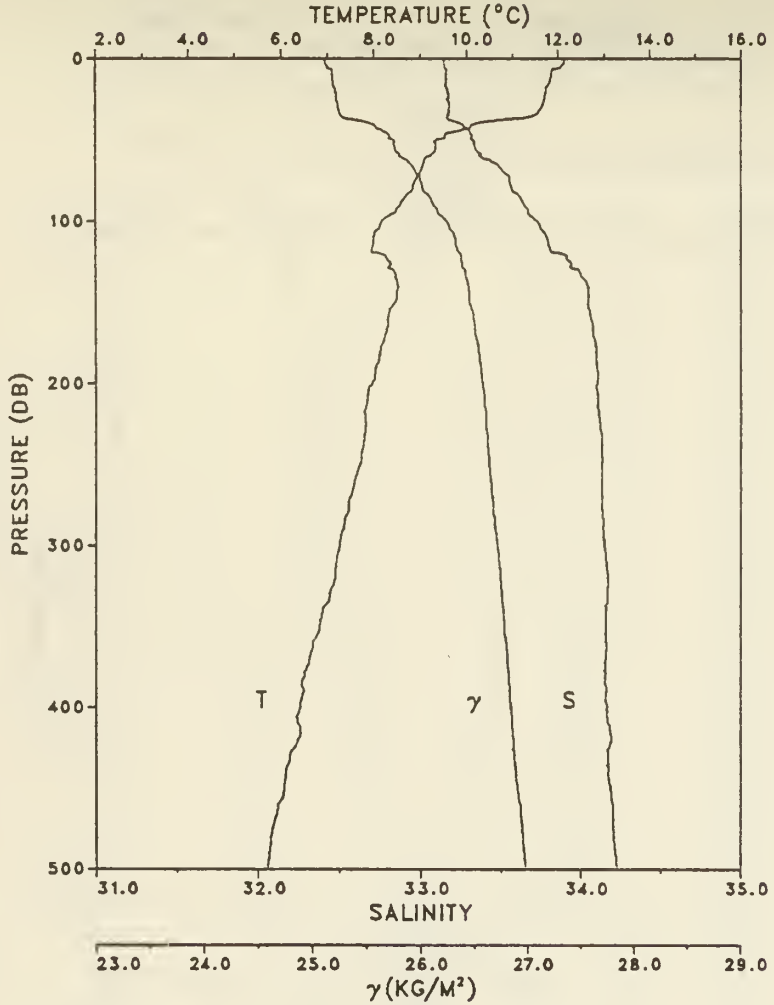
STATION: 87 LAT: 38 49.5 N LON: 124 25.7 W
DATE: 6/26/87 TIME: 1200Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.461	32.789	24.786	315.2	0.000
5	12.473	32.794	24.787	315.1	0.013
10	12.228	32.770	24.815	312.6	0.028
15	12.018	32.779	24.862	308.3	0.044
20	11.833	32.785	24.901	304.7	0.059
25	11.850	32.843	24.943	300.8	0.074
30	11.946	32.891	24.962	299.1	0.089
35	12.037	32.935	24.979	297.5	0.104
40	12.173	32.979	24.988	296.8	0.119
45	12.204	32.985	24.987	297.1	0.134
50	12.120	32.965	24.987	297.1	0.149
60	12.227	33.023	25.012	295.0	0.178
70	10.371	32.926	25.271	270.4	0.207
80	10.107	33.192	25.523	246.6	0.232
90	9.427	33.316	25.732	226.8	0.256
100	9.068	33.378	25.838	216.9	0.278
125	8.714	33.557	26.033	198.7	0.330
150	8.213	33.762	26.270	176.5	0.377
175	7.863	33.864	26.402	164.3	0.420
200	7.527	33.926	26.499	155.4	0.460
225	7.748	34.046	26.562	150.0	0.498
250	7.713	34.101	26.610	145.8	0.535
275	7.160	34.059	26.656	141.6	0.571
300	7.177	34.135	26.713	136.6	0.606
325	6.878	34.127	26.748	133.4	0.639
350	6.715	34.139	26.779	130.7	0.672
375	6.422	34.134	26.814	127.5	0.705
400	6.306	34.148	26.840	125.3	0.736
425	6.142	34.165	26.875	122.2	0.767
450	5.948	34.178	26.910	119.1	0.797
475	5.829	34.192	26.936	116.8	0.827
499	5.528	34.174	26.958	114.7	0.855



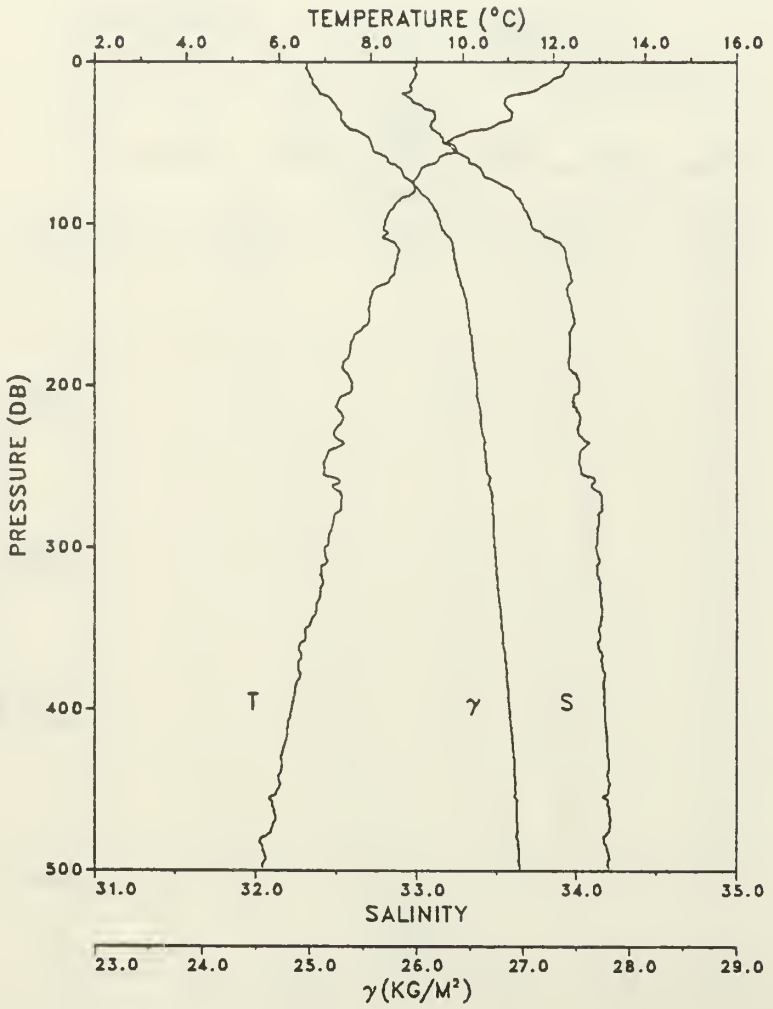
STATION: 88 LAT: 38 41.1 N LON: 124 22.8 W
DATE: 6/26/87 TIME: 1300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.086	32.950	24.982	296.5	0.000
5	12.136	32.988	25.002	294.7	0.012
10	12.299	33.028	25.002	294.8	0.027
15	12.316	33.038	25.006	294.5	0.041
20	12.306	33.045	25.014	293.9	0.056
25	12.341	33.059	25.018	293.6	0.071
30	12.351	33.071	25.025	293.1	0.085
35	12.047	33.028	25.049	290.9	0.100
40	11.105	33.161	25.325	264.7	0.114
45	11.107	33.217	25.369	260.7	0.127
50	10.936	33.229	25.408	257.0	0.140
60	10.701	33.246	25.463	252.0	0.165
70	10.558	33.279	25.514	247.3	0.190
80	10.014	33.310	25.630	236.4	0.215
90	9.389	33.362	25.774	222.8	0.237
100	8.821	33.506	25.977	203.7	0.259
125	8.337	33.759	26.249	178.1	0.307
150	8.634	33.995	26.389	165.4	0.349
175	8.475	34.062	26.466	158.5	0.390
200	8.225	34.091	26.527	153.1	0.429
225	7.890	34.092	26.577	148.6	0.467
250	7.799	34.120	26.613	145.6	0.503
275	7.662	34.128	26.639	143.5	0.540
300	7.380	34.135	26.685	139.4	0.575
325	7.188	34.152	26.725	135.8	0.609
350	6.970	34.160	26.761	132.6	0.643
375	6.740	34.160	26.793	129.8	0.676
400	6.527	34.169	26.828	126.7	0.708
425	6.325	34.186	26.868	123.1	0.739
450	6.149	34.191	26.895	120.7	0.769
475	5.934	34.192	26.923	118.2	0.799
499	5.730	34.189	26.946	116.1	0.827



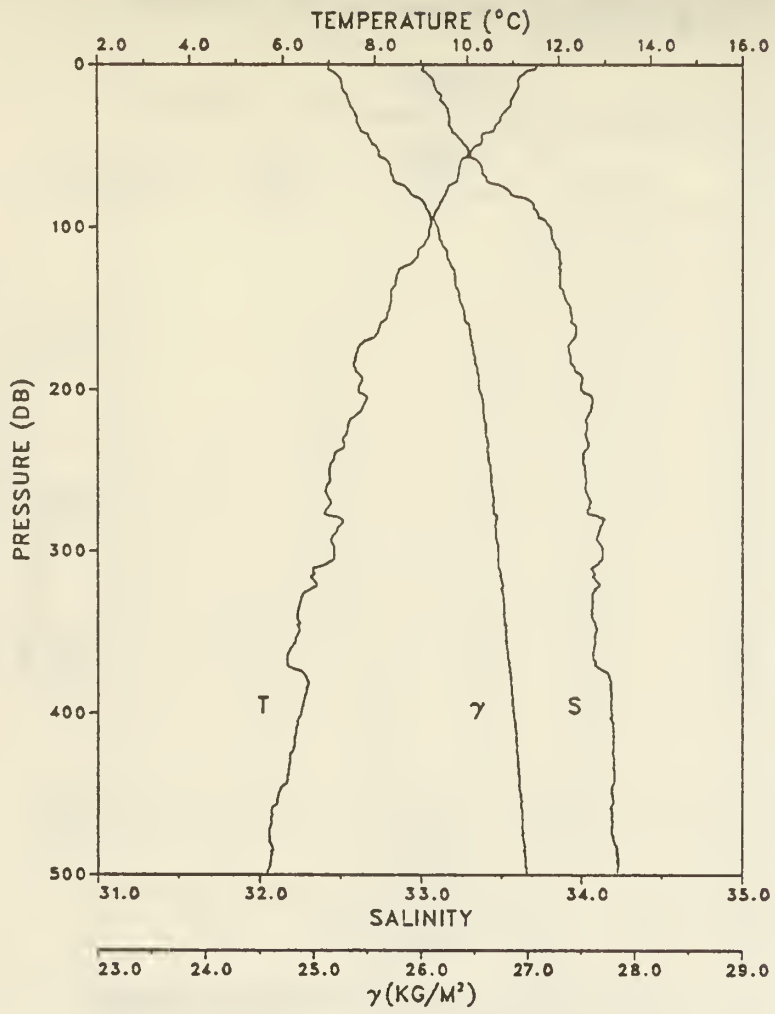
STATION: 89 LAT: 38 34.1 N LON: 124 19.4 W
DATE: 6/26/87 TIME: 1400Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.140	33.143	25.121	283.3	0.000
5	12.058	33.148	25.141	281.5	0.011
10	11.854	33.159	25.187	277.2	0.025
15	11.815	33.158	25.194	276.7	0.039
20	11.734	33.172	25.220	274.3	0.053
25	11.701	33.167	25.222	274.2	0.067
30	11.633	33.178	25.243	272.3	0.080
35	11.504	33.177	25.266	270.2	0.094
40	10.270	33.245	25.537	244.5	0.107
45	9.834	33.305	25.657	233.2	0.119
50	9.348	33.320	25.748	224.6	0.130
60	9.226	33.366	25.803	219.5	0.152
70	8.993	33.522	25.962	204.5	0.173
80	8.835	33.568	26.023	198.9	0.194
90	8.576	33.643	26.122	189.7	0.213
100	8.173	33.726	26.248	177.8	0.231
125	8.365	33.940	26.387	165.1	0.274
150	8.451	34.042	26.454	159.2	0.315
175	8.182	34.089	26.531	152.2	0.354
200	7.964	34.104	26.576	148.4	0.391
225	7.819	34.119	26.609	145.6	0.428
250	7.693	34.132	26.637	143.2	0.464
275	7.445	34.131	26.672	140.2	0.500
300	7.255	34.146	26.711	136.8	0.534
325	7.092	34.165	26.749	133.5	0.568
350	6.816	34.155	26.778	130.9	0.601
375	6.547	34.150	26.810	128.0	0.633
400	6.410	34.160	26.836	125.8	0.665
425	6.295	34.179	26.866	123.2	0.696
450	6.056	34.185	26.902	120.0	0.727
475	5.800	34.201	26.946	115.8	0.756
499	5.694	34.222	26.976	113.2	0.784



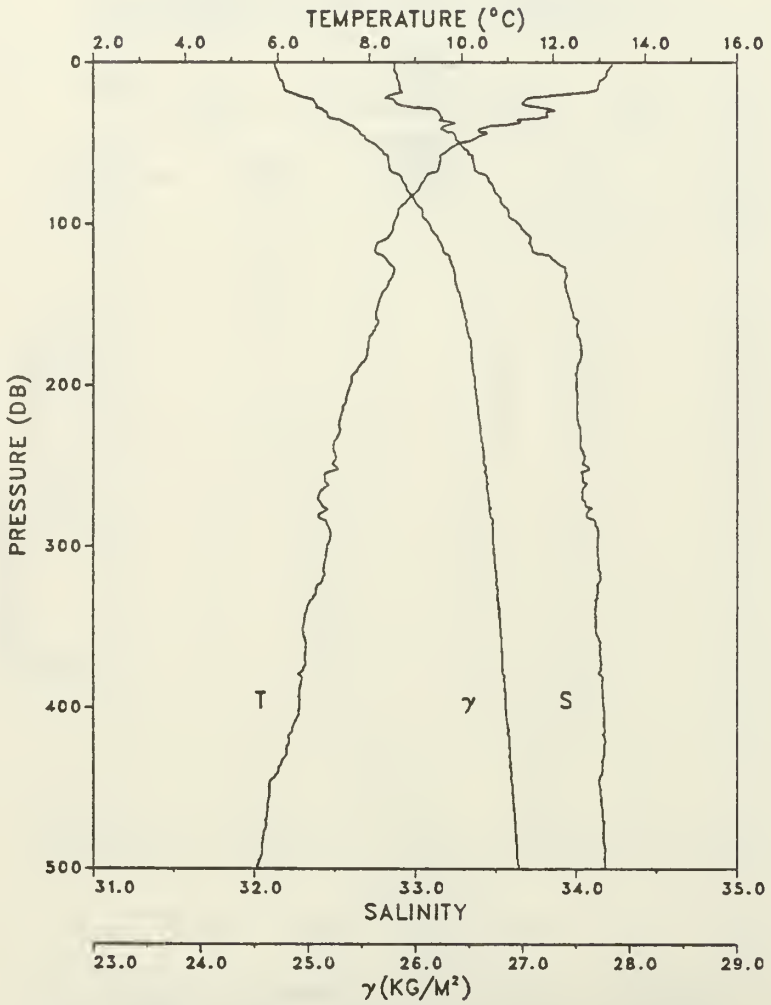
STATION: 90 LAT: 38 26.8 N LON: 124 17.1 W
DATE: 6/26/87 TIME: 1500Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.325	32.999	24.974	297.2	0.000
5	12.230	32.987	24.983	296.5	0.012
10	12.067	32.994	25.019	293.2	0.027
15	11.765	32.955	25.045	290.8	0.041
20	11.300	32.909	25.094	286.2	0.056
25	10.917	32.980	25.218	274.6	0.070
30	11.052	33.088	25.278	268.9	0.083
35	11.073	33.111	25.292	267.7	0.097
40	10.684	33.083	25.339	263.3	0.110
45	10.041	33.143	25.496	248.5	0.123
50	9.719	33.169	25.569	241.5	0.135
60	9.472	33.324	25.731	226.4	0.158
70	9.025	33.422	25.879	212.4	0.180
80	8.947	33.604	26.034	197.9	0.201
90	8.491	33.671	26.157	186.3	0.220
100	8.299	33.714	26.220	180.5	0.238
125	8.540	33.944	26.363	167.4	0.282
150	7.980	33.968	26.467	157.9	0.323
175	7.555	33.960	26.522	152.9	0.361
200	7.591	34.020	26.564	149.3	0.399
225	7.274	34.009	26.600	146.1	0.436
250	6.990	34.028	26.655	141.2	0.472
275	7.346	34.160	26.709	136.7	0.507
300	6.991	34.123	26.729	134.9	0.541
325	6.908	34.147	26.760	132.4	0.574
350	6.581	34.139	26.797	128.9	0.607
375	6.420	34.166	26.840	125.1	0.639
400	6.268	34.178	26.869	122.6	0.669
425	6.091	34.194	26.904	119.4	0.700
450	5.952	34.197	26.924	117.7	0.729
475	5.823	34.207	26.948	115.6	0.759
499	5.655	34.206	26.968	113.9	0.786



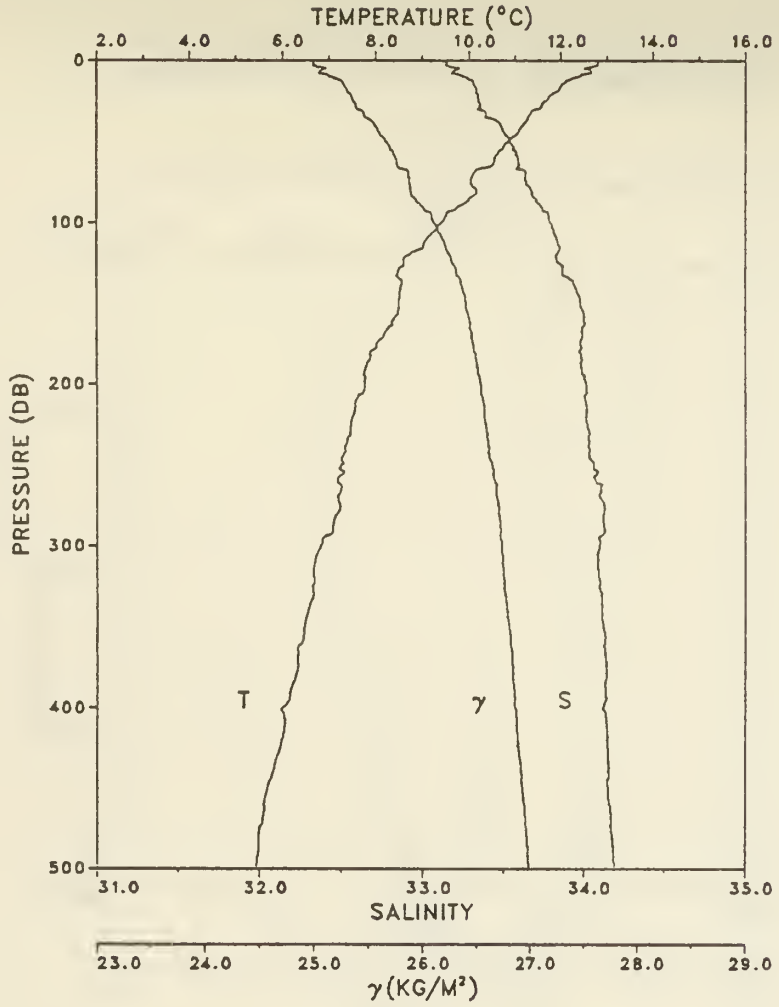
STATION: 905 LAT: 38 23.9 N LON: 124 15.1 W
DATE: 6/26/87 TIME: 1700Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.514	33.012	25.136	281.9	0.000
5	11.270	33.033	25.196	276.2	0.011
10	11.110	33.074	25.257	270.5	0.025
15	11.112	33.089	25.268	269.6	0.038
20	11.002	33.120	25.312	265.5	0.052
25	10.948	33.151	25.346	262.4	0.065
30	10.784	33.168	25.388	258.5	0.078
35	10.701	33.171	25.405	257.0	0.091
40	10.597	33.189	25.437	254.0	0.104
45	10.312	33.227	25.515	246.6	0.116
50	10.192	33.279	25.576	240.9	0.128
60	9.856	33.357	25.694	230.0	0.152
70	9.790	33.406	25.743	225.5	0.175
80	9.522	33.558	25.906	210.2	0.196
90	9.326	33.717	26.062	195.5	0.217
100	9.175	33.805	26.155	186.8	0.236
125	8.599	33.854	26.284	174.9	0.281
150	8.299	33.927	26.387	165.5	0.324
175	7.624	33.920	26.481	156.8	0.364
200	7.630	33.995	26.539	151.7	0.402
225	7.393	34.029	26.599	146.3	0.440
250	7.002	34.021	26.647	141.9	0.476
275	6.916	34.038	26.673	139.8	0.511
300	7.106	34.130	26.719	136.0	0.545
325	6.511	34.071	26.753	132.7	0.579
350	6.326	34.088	26.790	129.4	0.612
375	6.435	34.163	26.835	125.5	0.644
400	6.386	34.190	26.863	123.2	0.675
425	6.165	34.196	26.897	120.2	0.705
450	5.896	34.192	26.927	117.4	0.735
475	5.696	34.188	26.949	115.4	0.764
499	5.649	34.224	26.983	112.5	0.791



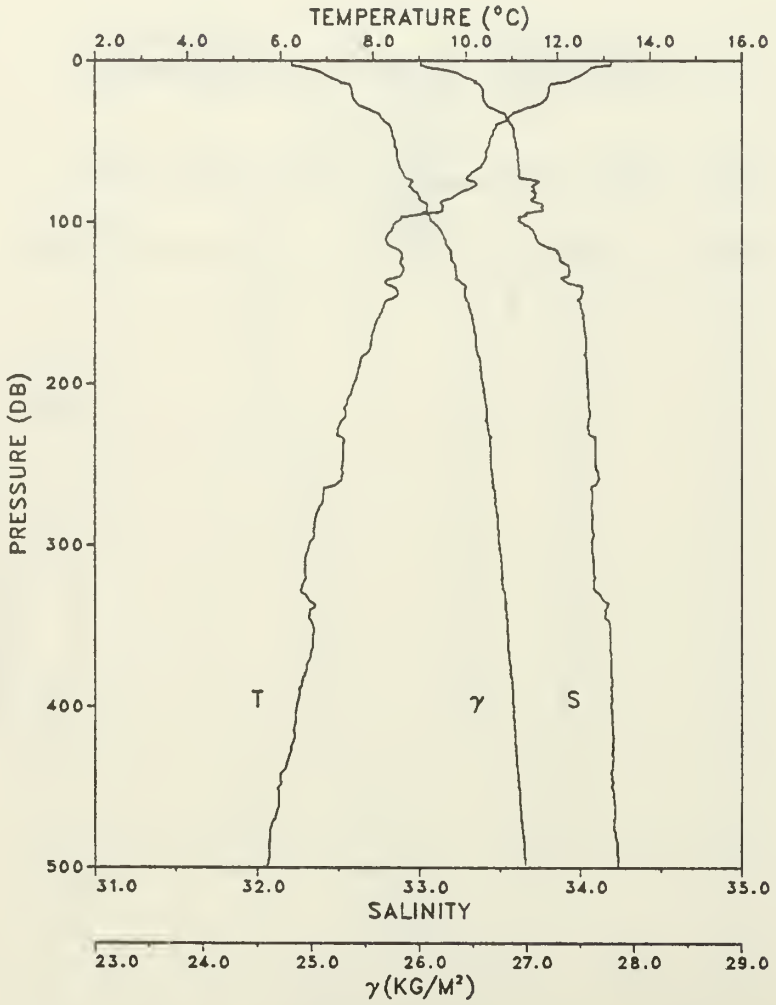
STATION: 91 LAT: 38 20.2 N LON: 124 12.6 W
DATE: 6/26/87 TIME: 1800Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.288	32.871	24.687	324.6	0.000
5	13.199	32.865	24.701	323.4	0.013
10	13.119	32.883	24.730	320.7	0.029
15	12.974	32.904	24.775	316.5	0.045
20	12.386	32.882	24.872	307.4	0.061
25	11.330	32.871	25.059	289.6	0.076
30	12.022	33.137	25.139	282.2	0.090
35	11.680	33.168	25.226	274.0	0.104
40	10.599	33.175	25.425	255.1	0.117
45	10.529	33.244	25.491	248.9	0.130
50	9.988	33.268	25.602	238.5	0.142
60	9.536	33.354	25.744	225.1	0.165
70	9.258	33.429	25.847	215.5	0.187
80	9.046	33.490	25.929	207.9	0.208
90	8.660	33.558	26.042	197.2	0.228
100	8.523	33.642	26.129	189.1	0.248
125	8.447	33.890	26.335	170.0	0.293
150	8.184	33.962	26.431	161.3	0.334
175	7.965	34.027	26.515	153.7	0.373
200	7.570	33.997	26.549	150.7	0.411
225	7.336	34.016	26.597	146.5	0.449
250	7.247	34.068	26.651	141.7	0.485
275	6.966	34.062	26.685	138.7	0.520
300	7.073	34.129	26.723	135.6	0.554
325	6.842	34.132	26.757	132.6	0.587
350	6.543	34.119	26.787	129.9	0.620
375	6.565	34.148	26.806	128.4	0.653
400	6.465	34.170	26.837	125.8	0.684
425	6.198	34.176	26.876	122.1	0.715
450	5.825	34.148	26.901	119.7	0.746
475	5.733	34.169	26.929	117.3	0.775
499	5.541	34.178	26.960	114.5	0.803



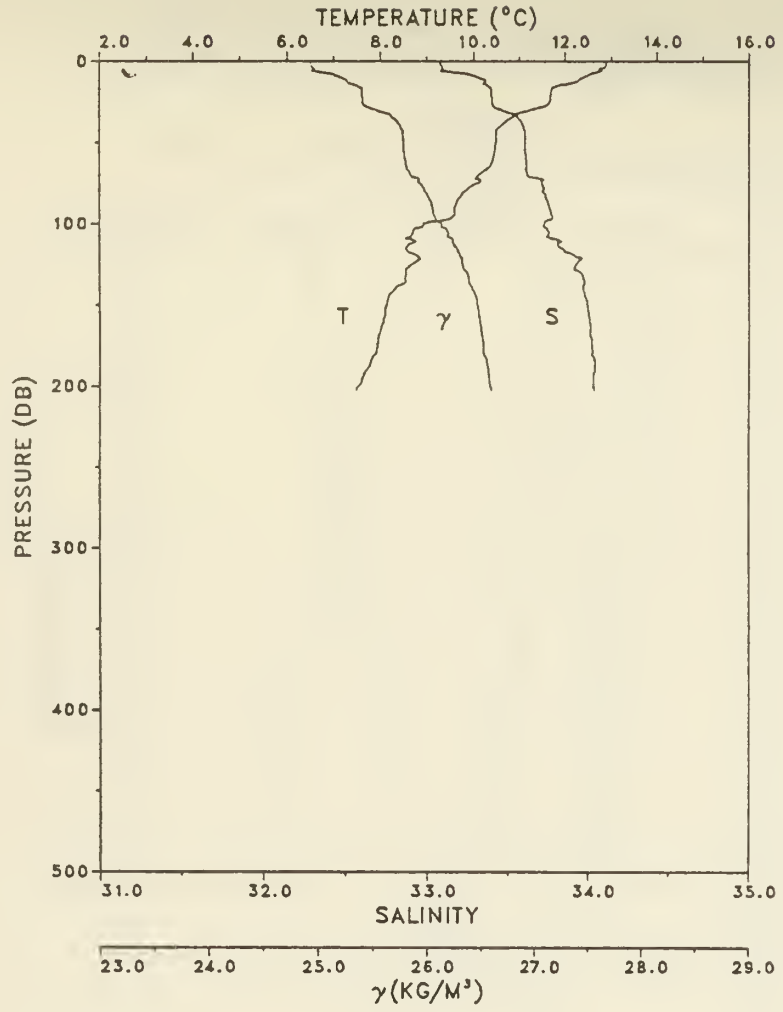
STATION: 92 LAT: 38 12.3 N LON: 124 9.3 W
DATE: 6/26/87 TIME: 2100Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.797	33.143	24.995	295.3	0.000
5	12.509	33.228	25.117	283.8	0.012
10	12.433	33.247	25.146	281.1	0.026
15	12.019	33.314	25.277	268.8	0.039
20	11.870	33.327	25.315	265.3	0.053
25	11.666	33.342	25.364	260.7	0.066
30	11.498	33.336	25.390	258.3	0.079
35	11.271	33.384	25.469	250.9	0.092
40	11.175	33.483	25.563	242.0	0.104
45	11.054	33.508	25.605	238.2	0.116
50	10.842	33.536	25.664	232.7	0.128
60	10.556	33.591	25.757	224.0	0.151
70	10.090	33.636	25.872	213.2	0.172
80	10.154	33.675	25.892	211.6	0.194
90	9.801	33.728	25.992	202.2	0.214
100	9.408	33.790	26.106	191.6	0.234
125	8.606	33.846	26.276	175.6	0.280
150	8.494	33.981	26.399	164.4	0.322
175	8.012	33.979	26.470	157.9	0.363
200	7.765	34.019	26.538	151.8	0.401
225	7.470	34.021	26.582	147.9	0.439
250	7.244	34.064	26.648	142.0	0.475
275	7.224	34.127	26.700	137.4	0.510
301	6.808	34.097	26.734	134.4	0.545
325	6.636	34.097	26.757	132.4	0.577
350	6.458	34.119	26.798	128.8	0.610
375	6.323	34.141	26.833	125.7	0.642
400	5.983	34.117	26.857	123.4	0.673
425	5.939	34.150	26.889	120.7	0.704
450	5.660	34.149	26.923	117.6	0.733
475	5.496	34.172	26.961	114.1	0.762
499	5.418	34.191	26.985	112.0	0.789



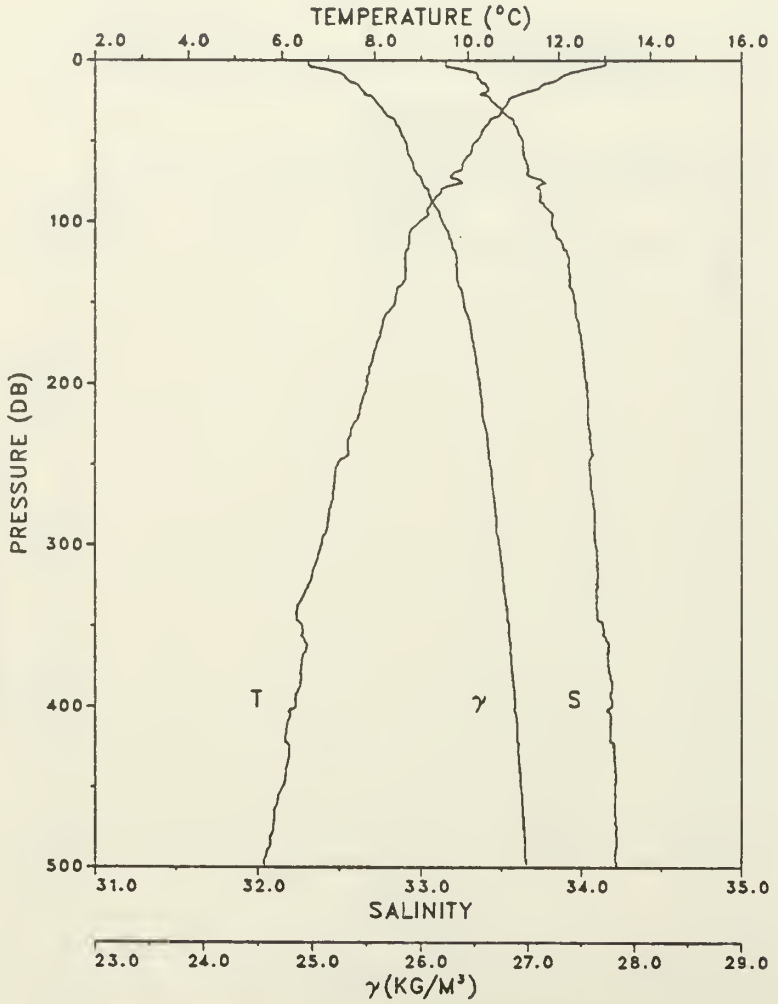
STATION: 93 LAT: 38 6.1 N LON: 124 6.1 W
DATE: 6/26/87 TIME: 2200Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.154	33.007	24.819	312.0	0.000
5	12.717	33.082	24.963	298.4	0.012
10	12.464	33.268	25.156	280.1	0.027
15	11.845	33.372	25.354	261.4	0.040
20	11.786	33.395	25.383	258.8	0.053
25	11.695	33.402	25.406	256.8	0.066
30	11.280	33.460	25.527	245.3	0.079
35	10.938	33.534	25.645	234.1	0.091
40	10.658	33.570	25.723	226.9	0.102
45	10.582	33.583	25.746	224.7	0.113
50	10.511	33.593	25.766	222.9	0.125
60	10.431	33.609	25.793	220.6	0.147
70	10.112	33.616	25.853	215.1	0.169
80	10.063	33.713	25.937	207.3	0.190
90	9.515	33.767	26.070	194.8	0.210
100	8.490	33.626	26.122	189.8	0.229
125	8.574	33.891	26.317	171.8	0.274
150	8.234	33.999	26.453	159.2	0.316
175	7.947	34.032	26.522	153.1	0.355
200	7.569	34.041	26.584	147.4	0.392
225	7.275	34.045	26.629	143.5	0.429
250	7.324	34.092	26.659	141.0	0.464
275	6.864	34.066	26.702	137.1	0.499
300	6.611	34.071	26.740	133.7	0.533
325	6.459	34.080	26.767	131.4	0.566
350	6.701	34.179	26.813	127.5	0.598
375	6.562	34.190	26.840	125.2	0.630
400	6.332	34.189	26.869	122.6	0.661
425	6.218	34.204	26.896	120.3	0.691
450	5.934	34.192	26.923	117.9	0.721
475	5.785	34.209	26.955	115.0	0.750
499	5.698	34.232	26.984	112.5	0.777



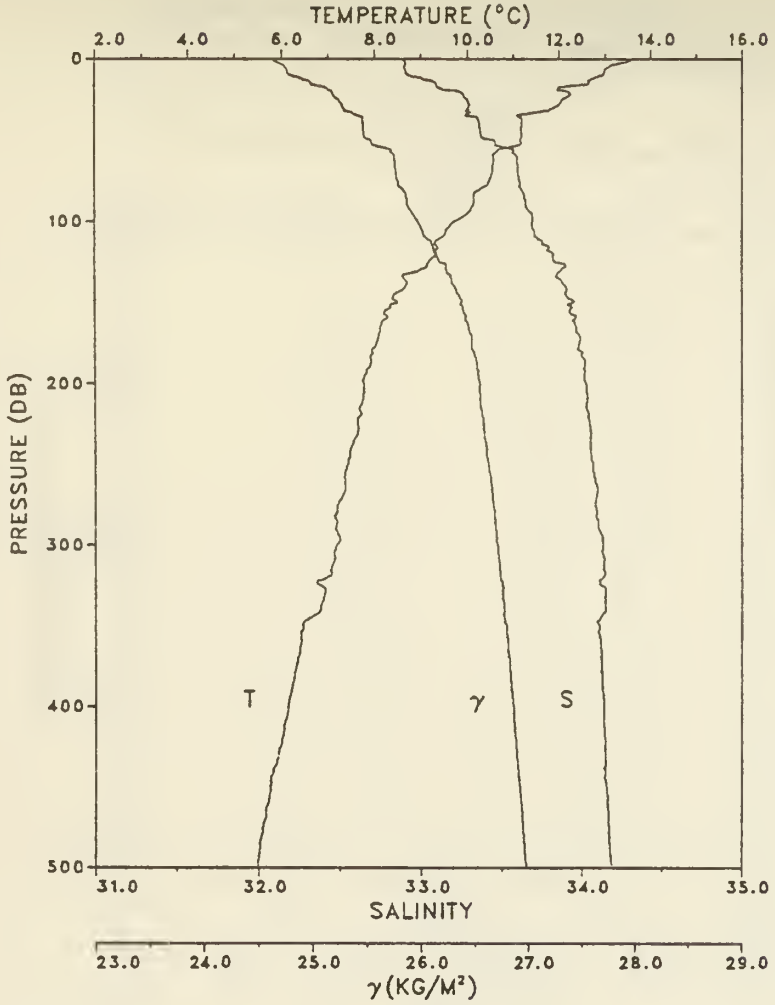
STATION: 935 LAT: 38 5.7 N LON: 124 5.3 W
DATE: 6/26/87 TIME: 2306Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.880	33.079	24.929	301.5	0.000
5	12.729	33.092	24.969	297.9	0.012
10	12.416	33.311	25.199	276.1	0.026
15	11.888	33.370	25.345	262.3	0.040
20	11.681	33.397	25.404	256.8	0.053
25	11.660	33.400	25.410	256.3	0.066
30	11.260	33.458	25.529	245.1	0.078
35	10.832	33.557	25.682	230.6	0.090
40	10.597	33.594	25.752	224.1	0.101
45	10.488	33.605	25.780	221.5	0.113
50	10.480	33.604	25.780	221.6	0.124
60	10.422	33.612	25.797	220.2	0.146
70	10.127	33.617	25.851	215.2	0.167
80	9.812	33.714	25.980	203.2	0.188
90	9.597	33.760	26.051	196.6	0.208
100	8.919	33.727	26.134	188.7	0.228
125	8.684	33.926	26.327	170.9	0.273
150	8.123	33.996	26.467	157.9	0.314
175	7.932	34.026	26.519	153.3	0.353
200	7.517	34.033	26.585	147.3	0.390
202	7.476	34.035	26.592	146.6	0.393



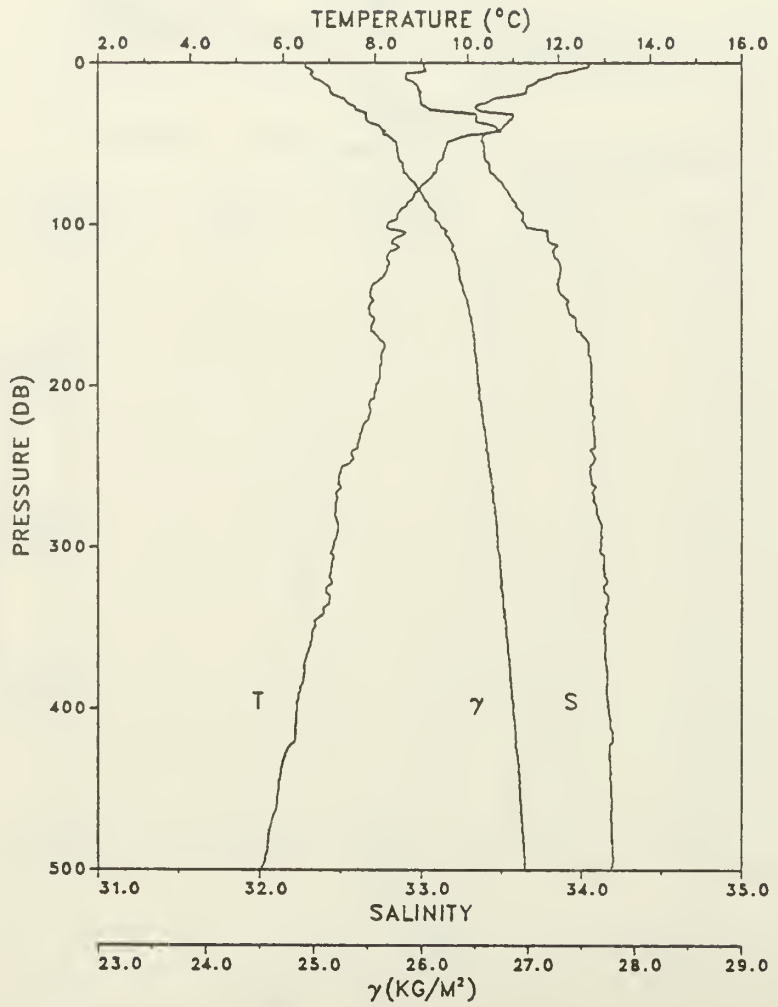
STATION: 941 LAT: 38 13.1 N LON: 124 6.5 W
DATE: 6/27/87 TIME: 0053Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.020	33.152	24.958	298.8	0.000
5	12.694	33.209	25.066	288.6	0.012
10	12.077	33.352	25.295	266.9	0.026
15	11.663	33.400	25.410	256.1	0.039
20	11.246	33.393	25.481	249.5	0.051
25	10.890	33.436	25.578	240.3	0.064
30	10.764	33.492	25.644	234.2	0.075
35	10.655	33.538	25.698	229.1	0.087
40	10.437	33.578	25.768	222.6	0.098
45	10.304	33.603	25.810	218.7	0.109
50	10.197	33.629	25.848	215.1	0.120
60	9.978	33.640	25.894	210.9	0.142
70	9.697	33.656	25.953	205.5	0.162
80	9.414	33.738	26.064	195.1	0.182
90	9.187	33.764	26.121	189.9	0.202
100	8.961	33.812	26.194	183.0	0.220
125	8.653	33.918	26.326	171.0	0.265
150	8.427	33.957	26.391	165.2	0.307
175	8.037	34.001	26.484	156.7	0.347
200	7.842	34.029	26.535	152.2	0.385
225	7.538	34.040	26.587	147.5	0.423
250	7.202	34.045	26.639	142.8	0.459
275	7.061	34.073	26.680	139.2	0.494
300	6.844	34.088	26.722	135.5	0.529
325	6.564	34.100	26.769	131.2	0.562
350	6.436	34.133	26.812	127.4	0.594
375	6.416	34.170	26.843	124.8	0.626
400	6.294	34.189	26.874	122.1	0.657
425	6.156	34.203	26.903	119.6	0.687
450	6.012	34.211	26.928	117.4	0.717
475	5.820	34.217	26.957	114.9	0.746
499	5.608	34.214	26.980	112.7	0.773



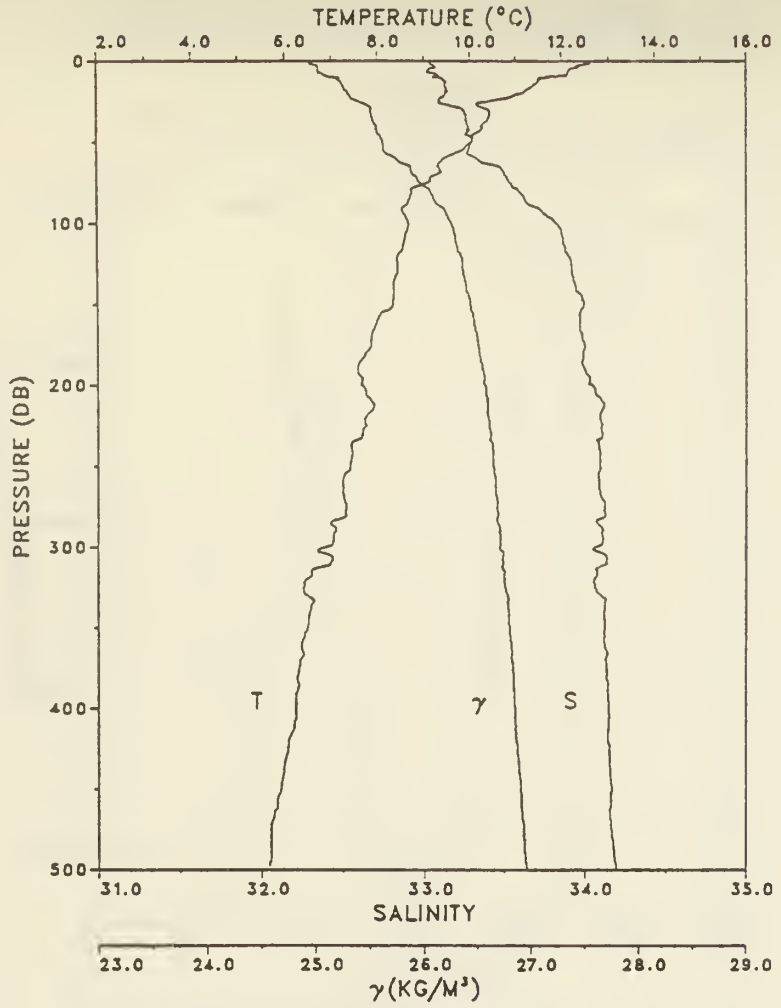
STATION: 95 LAT: 38 20.4 N LON: 124 6.4 W
DATE: 6/27/87 TIME: 0200Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.568	32.889	24.645	328.6	0.000
5	13.093	32.896	24.746	319.1	0.013
10	12.967	32.918	24.787	315.3	0.029
15	12.642	33.093	24.986	296.4	0.044
20	12.136	33.220	25.182	277.9	0.058
25	12.059	33.287	25.248	271.7	0.072
30	11.889	33.289	25.282	268.6	0.086
35	11.079	33.275	25.419	255.7	0.099
40	11.197	33.362	25.465	251.4	0.111
45	11.181	33.367	25.472	250.8	0.124
50	11.155	33.454	25.544	244.1	0.136
60	10.569	33.594	25.757	224.0	0.160
70	10.533	33.603	25.770	222.9	0.182
80	10.281	33.626	25.832	217.3	0.204
90	10.123	33.652	25.879	213.0	0.226
100	9.708	33.689	25.977	203.8	0.247
125	9.157	33.829	26.177	185.2	0.295
150	8.492	33.938	26.366	167.6	0.339
175	8.039	33.982	26.469	158.1	0.380
200	7.769	34.029	26.545	151.2	0.419
225	7.631	34.047	26.580	148.3	0.456
250	7.421	34.066	26.624	144.3	0.493
275	7.195	34.083	26.670	140.3	0.528
300	7.167	34.128	26.709	136.9	0.563
325	6.835	34.123	26.751	133.2	0.597
350	6.458	34.108	26.789	129.6	0.629
375	6.299	34.123	26.822	126.7	0.662
400	6.124	34.136	26.854	123.8	0.693
425	5.955	34.145	26.883	121.3	0.723
450	5.745	34.156	26.918	118.1	0.753
475	5.583	34.170	26.949	115.4	0.783
499	5.478	34.185	26.973	113.2	0.810



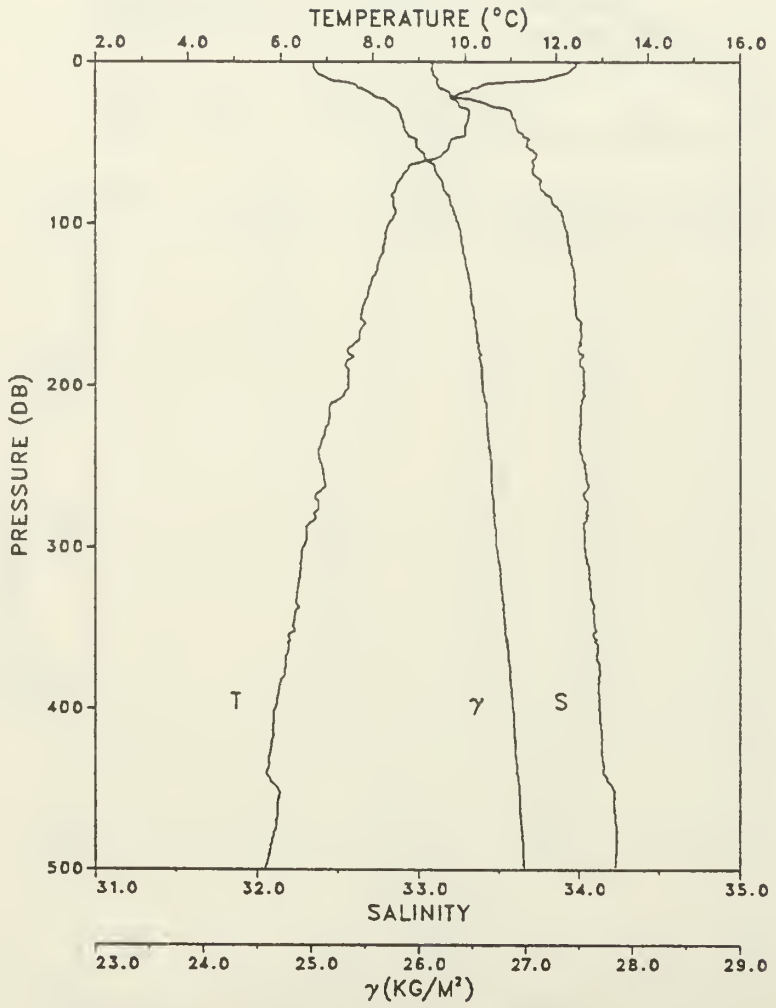
STATION: 96 LAT: 38 27.4 N LON: 124 6.2 W
DATE: 6/27/87 TIME: 0300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.664	33.014	24.921	302.3	0.000
5	12.339	33.025	24.992	295.7	0.012
10	11.694	32.898	25.014	293.6	0.027
15	11.305	32.976	25.146	281.2	0.041
20	11.167	32.985	25.177	278.3	0.055
25	10.379	32.993	25.321	264.7	0.069
30	10.320	33.138	25.445	253.1	0.082
35	10.964	33.334	25.485	249.4	0.094
40	10.784	33.470	25.623	236.4	0.106
45	10.050	33.393	25.689	230.1	0.118
50	9.552	33.386	25.766	222.8	0.129
60	9.451	33.396	25.791	220.7	0.151
70	9.228	33.462	25.878	212.6	0.173
80	8.882	33.540	25.994	201.7	0.194
90	8.602	33.601	26.085	193.2	0.214
100	8.254	33.650	26.176	184.6	0.232
125	8.283	33.866	26.341	169.4	0.277
150	7.876	33.910	26.436	160.7	0.318
175	8.201	34.045	26.494	155.8	0.358
200	8.012	34.063	26.536	152.1	0.396
225	7.731	34.075	26.587	147.6	0.433
250	7.285	34.052	26.633	143.5	0.470
275	7.138	34.091	26.684	138.9	0.505
300	7.092	34.120	26.713	136.5	0.540
325	6.940	34.138	26.748	133.5	0.573
350	6.669	34.140	26.786	130.0	0.606
375	6.458	34.155	26.826	126.4	0.638
400	6.294	34.168	26.858	123.7	0.670
425	6.085	34.174	26.889	120.8	0.700
450	5.896	34.185	26.922	117.9	0.730
475	5.704	34.190	26.950	115.4	0.759
499	5.520	34.183	26.966	113.9	0.787



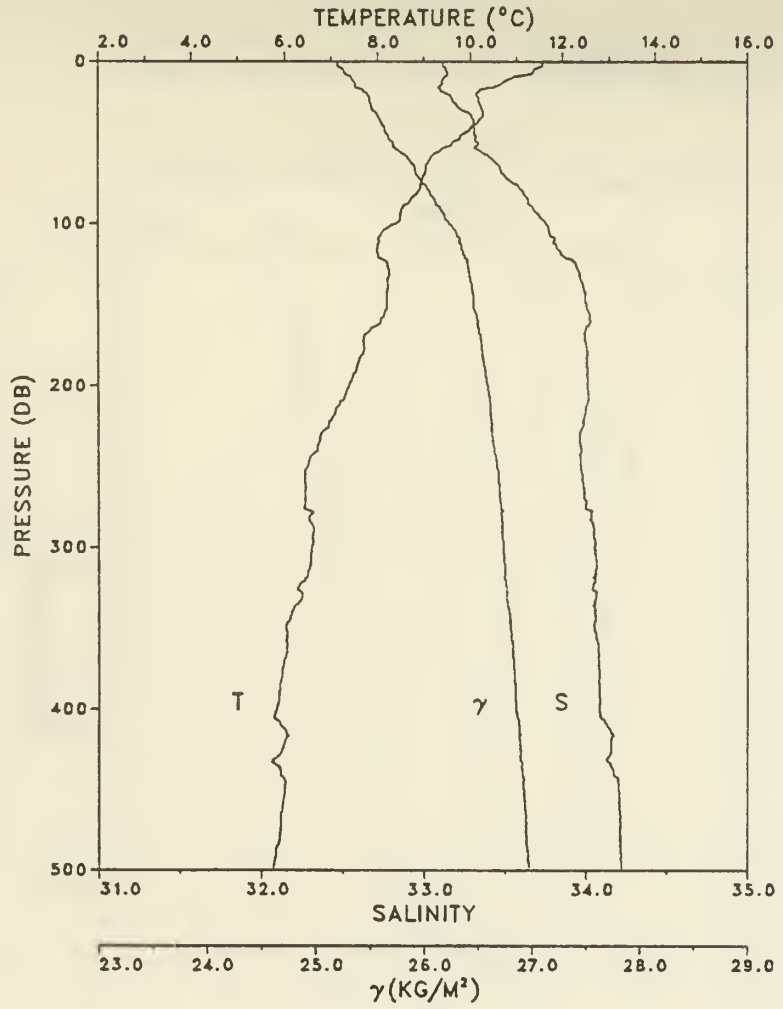
STATION: 97 LAT: 38 34.3 N LON: 124 6.2 W
DATE: 6/27/87 TIME: 0436Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.614	33.039	24.950	299.6	0.000
5	12.181	33.032	25.027	292.3	0.012
10	11.738	33.055	25.128	282.8	0.026
15	11.392	33.132	25.251	271.2	0.040
20	11.170	33.137	25.295	267.1	0.054
25	10.408	33.102	25.401	257.1	0.067
30	10.410	33.247	25.514	246.5	0.079
35	10.423	33.264	25.525	245.5	0.092
40	10.266	33.278	25.563	242.0	0.104
45	10.098	33.260	25.577	240.7	0.116
50	10.039	33.300	25.618	236.9	0.128
60	9.460	33.328	25.736	225.9	0.151
70	9.270	33.504	25.904	210.1	0.173
80	8.739	33.590	26.055	195.8	0.193
90	8.559	33.690	26.161	185.9	0.212
100	8.659	33.828	26.254	177.3	0.230
125	8.427	33.916	26.359	167.8	0.273
150	8.319	33.992	26.435	161.0	0.314
175	7.868	33.998	26.507	154.5	0.354
200	7.662	34.045	26.573	148.5	0.392
225	7.750	34.104	26.607	145.7	0.429
250	7.392	34.089	26.647	142.2	0.464
275	7.307	34.120	26.683	139.1	0.500
300	6.864	34.064	26.700	137.6	0.534
325	6.387	34.060	26.760	131.9	0.568
350	6.478	34.122	26.797	128.8	0.601
375	6.296	34.132	26.829	126.0	0.632
400	6.228	34.145	26.848	124.5	0.664
425	6.061	34.149	26.873	122.4	0.695
450	5.907	34.163	26.903	119.7	0.725
475	5.702	34.164	26.929	117.3	0.754
499	5.656	34.192	26.957	114.9	0.782



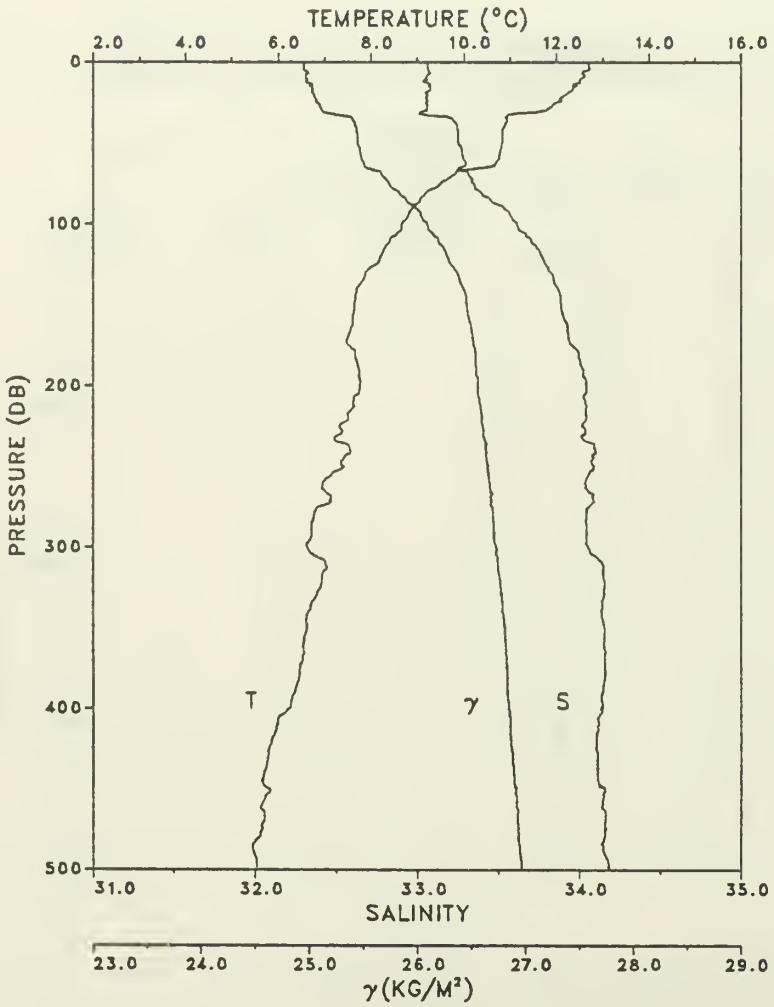
STATION: 98 LAT: 38 41.4 N LON: 124 6.2 W
DATE: 6/27/87 TIME: 0500Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.421	33.080	25.019	293.0	0.000
5	12.318	33.077	25.036	291.4	0.012
10	11.877	33.107	25.143	281.4	0.026
15	10.371	33.119	25.421	255.0	0.039
20	9.891	33.190	25.557	242.1	0.052
25	9.647	33.389	25.720	226.8	0.064
30	10.085	33.562	25.815	217.8	0.075
35	10.076	33.587	25.836	215.9	0.086
40	10.014	33.605	25.861	213.7	0.096
45	10.001	33.651	25.899	210.2	0.107
50	9.660	33.676	25.975	203.0	0.117
60	9.371	33.726	26.061	195.0	0.137
70	8.649	33.715	26.167	185.0	0.156
80	8.481	33.775	26.240	178.3	0.174
90	8.457	33.866	26.315	171.3	0.192
100	8.334	33.906	26.365	166.8	0.209
125	8.093	33.952	26.437	160.3	0.250
150	7.791	33.973	26.498	154.8	0.289
175	7.585	34.006	26.554	149.9	0.327
200	7.464	34.032	26.592	146.7	0.364
225	6.979	34.006	26.639	142.3	0.400
250	6.893	34.031	26.670	139.7	0.435
275	6.816	34.054	26.699	137.3	0.470
300	6.474	34.032	26.727	134.8	0.504
325	6.368	34.070	26.771	130.9	0.537
350	6.292	34.101	26.805	127.9	0.570
375	6.099	34.127	26.850	123.9	0.601
400	5.865	34.123	26.877	121.5	0.632
425	5.791	34.142	26.901	119.5	0.662
450	5.945	34.216	26.940	116.2	0.691
475	5.880	34.234	26.963	114.4	0.720
499	5.669	34.229	26.985	112.3	0.747



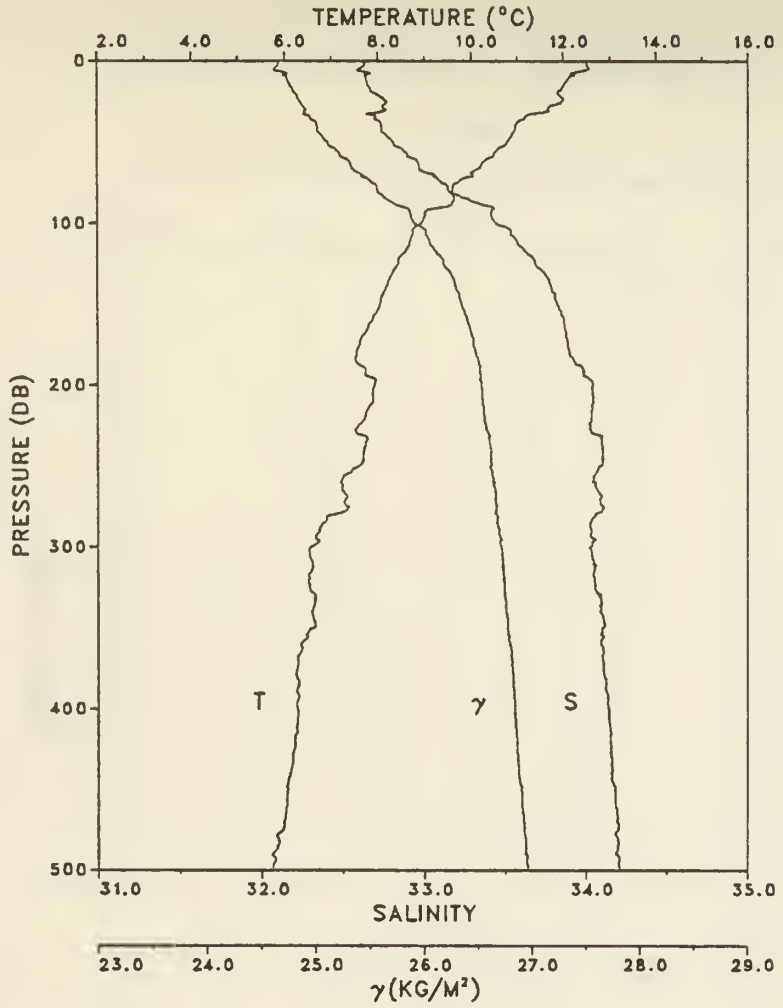
STATION: 99 LAT: 38 44.4 N LON: 124 13.1 W
DATE: 6/27/87 TIME: 0700Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	11.569	33.116	25.206	275.1	0.000
5	11.377	33.132	25.254	270.7	0.011
10	10.928	33.120	25.325	264.1	0.024
15	10.620	33.099	25.363	260.6	0.037
20	10.127	33.136	25.476	249.9	0.050
25	10.182	33.179	25.500	247.7	0.063
30	10.264	33.235	25.530	245.0	0.075
35	10.223	33.297	25.585	239.8	0.087
40	10.034	33.309	25.626	236.0	0.099
45	9.812	33.316	25.669	232.0	0.111
50	9.607	33.335	25.717	227.5	0.122
60	9.127	33.418	25.860	214.1	0.144
70	9.000	33.496	25.941	206.6	0.165
80	8.869	33.615	26.055	195.9	0.185
90	8.541	33.673	26.151	186.9	0.205
100	8.406	33.751	26.232	179.3	0.223
125	8.225	33.943	26.410	162.8	0.266
150	8.207	34.005	26.462	158.4	0.306
175	7.708	34.004	26.535	151.7	0.345
200	7.374	34.013	26.589	146.8	0.382
225	6.953	33.981	26.623	143.9	0.418
250	6.487	33.969	26.676	139.0	0.454
275	6.417	33.998	26.708	136.2	0.488
300	6.570	34.054	26.732	134.4	0.522
325	6.265	34.039	26.760	131.9	0.555
350	6.028	34.053	26.801	128.1	0.588
375	5.942	34.079	26.832	125.4	0.619
400	5.813	34.084	26.852	123.7	0.650
425	5.933	34.154	26.893	120.4	0.681
450	5.984	34.199	26.922	118.0	0.711
475	5.898	34.211	26.942	116.3	0.740
499	5.750	34.221	26.968	114.0	0.768



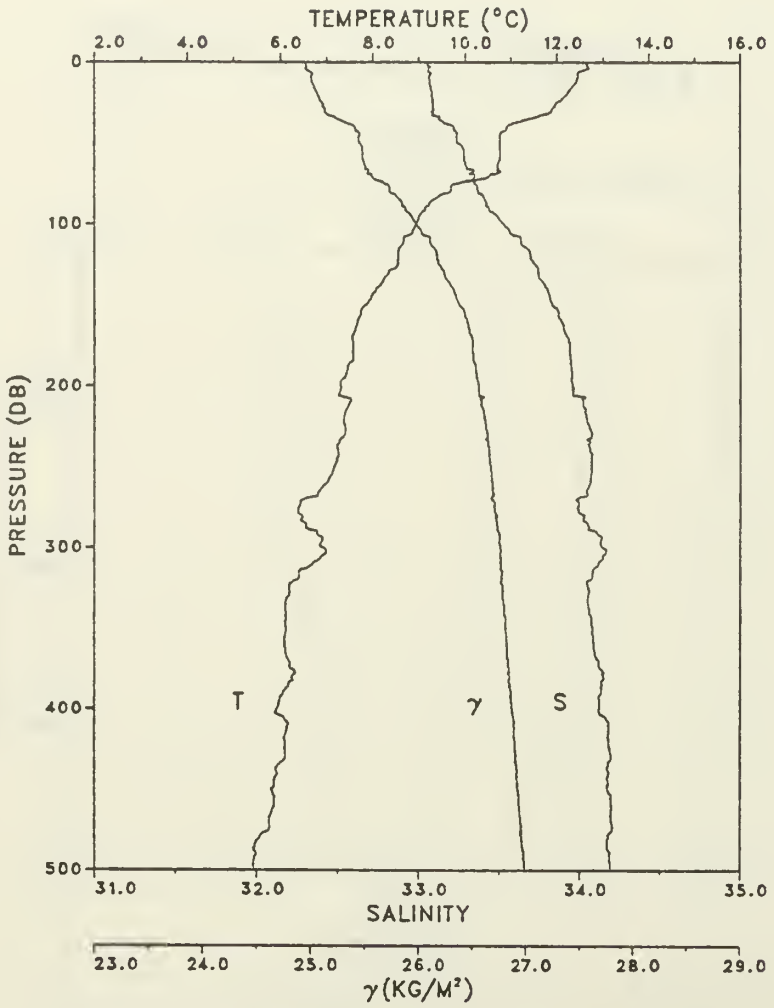
STATION: 100 LAT: 38 46.8 N LON: 124 20.3 W
DATE: 6/27/87 TIME: 0800Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.699	33.064	24.953	299.3	0.000
5	12.697	33.067	24.956	299.1	0.012
10	12.557	33.049	24.969	298.0	0.027
15	12.449	33.065	25.002	294.9	0.042
20	12.205	33.063	25.047	290.8	0.056
25	11.988	33.045	25.074	288.3	0.071
30	11.770	33.056	25.123	283.7	0.085
35	10.924	33.213	25.398	257.6	0.099
40	10.876	33.243	25.430	254.7	0.111
45	10.826	33.249	25.443	253.5	0.124
50	10.817	33.251	25.447	253.3	0.137
60	10.740	33.282	25.484	249.9	0.162
70	9.782	33.312	25.671	232.3	0.186
80	9.193	33.387	25.825	217.8	0.209
90	8.896	33.530	25.984	202.8	0.230
100	8.655	33.613	26.086	193.2	0.249
125	8.123	33.790	26.306	172.7	0.295
150	7.640	33.884	26.450	159.3	0.337
175	7.514	33.953	26.522	152.8	0.376
200	7.763	34.044	26.558	150.0	0.414
225	7.311	34.016	26.601	146.1	0.451
250	7.411	34.093	26.647	142.2	0.487
275	6.870	34.057	26.694	137.8	0.522
300	6.621	34.051	26.723	135.3	0.556
325	6.898	34.153	26.766	131.8	0.589
350	6.606	34.153	26.805	128.2	0.622
375	6.455	34.157	26.828	126.3	0.653
400	6.239	34.130	26.835	125.8	0.685
425	5.789	34.105	26.872	122.2	0.716
450	5.824	34.153	26.906	119.4	0.746
475	5.667	34.160	26.930	117.2	0.776
499	5.526	34.178	26.962	114.3	0.803



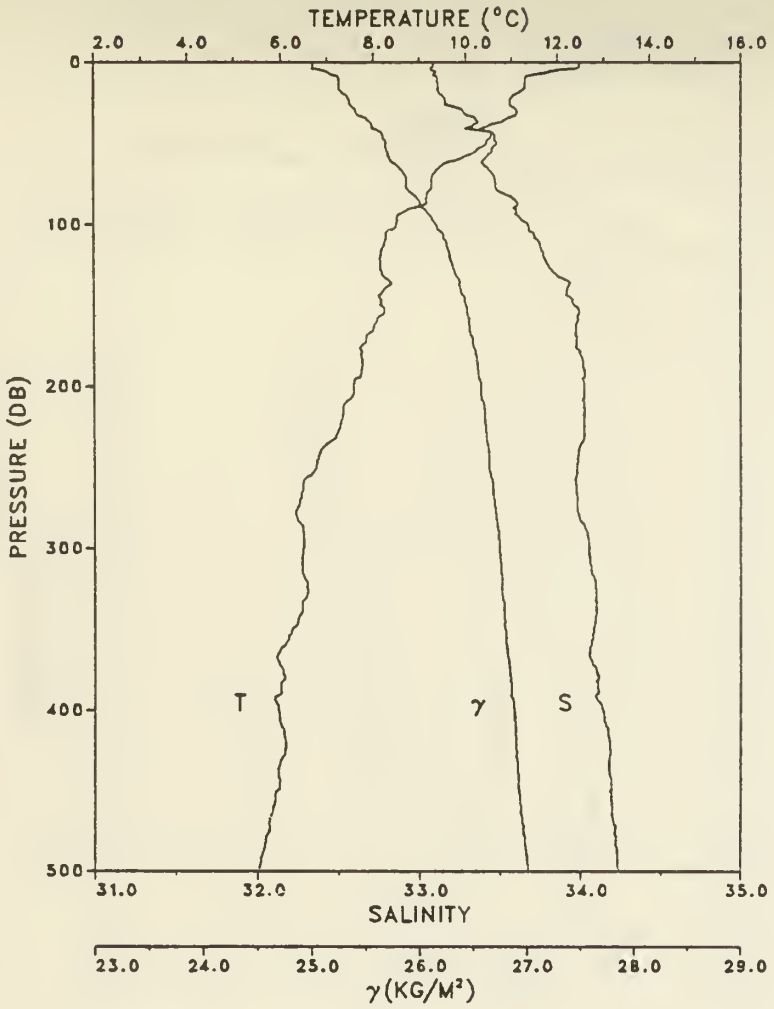
STATION: 101 LAT: 38 49.4 N LON: 124 26.2 W
DATE: 6/27/87 TIME: 0900Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.506	32.636	24.658	327.3	0.000
5	12.565	32.607	24.625	330.6	0.013
10	12.124	32.645	24.738	320.0	0.029
15	12.007	32.655	24.768	317.2	0.045
20	11.880	32.687	24.816	312.7	0.061
25	11.957	32.772	24.868	307.9	0.077
30	11.681	32.766	24.914	303.6	0.092
35	11.176	32.699	24.953	299.9	0.107
40	10.972	32.736	25.018	293.8	0.122
45	10.905	32.754	25.044	291.5	0.136
50	10.783	32.813	25.111	285.2	0.151
60	10.400	32.924	25.264	270.8	0.179
70	10.062	33.065	25.431	255.1	0.205
80	9.599	33.149	25.573	241.7	0.230
90	9.497	33.422	25.803	220.0	0.253
100	8.921	33.443	25.912	209.8	0.274
125	8.440	33.685	26.176	185.1	0.324
150	8.050	33.824	26.343	169.6	0.368
175	7.608	33.886	26.456	159.1	0.409
200	7.935	34.037	26.527	152.9	0.448
225	7.575	34.025	26.570	149.1	0.486
250	7.584	34.077	26.610	145.8	0.523
275	7.379	34.109	26.664	140.9	0.559
300	6.556	34.020	26.707	136.7	0.593
325	6.533	34.054	26.737	134.3	0.627
350	6.605	34.098	26.762	132.3	0.661
375	6.260	34.104	26.812	127.6	0.693
400	6.270	34.138	26.837	125.6	0.725
425	6.189	34.152	26.859	123.8	0.756
450	6.054	34.176	26.895	120.6	0.786
475	5.952	34.197	26.924	118.0	0.816
499	5.739	34.204	26.956	115.1	0.844



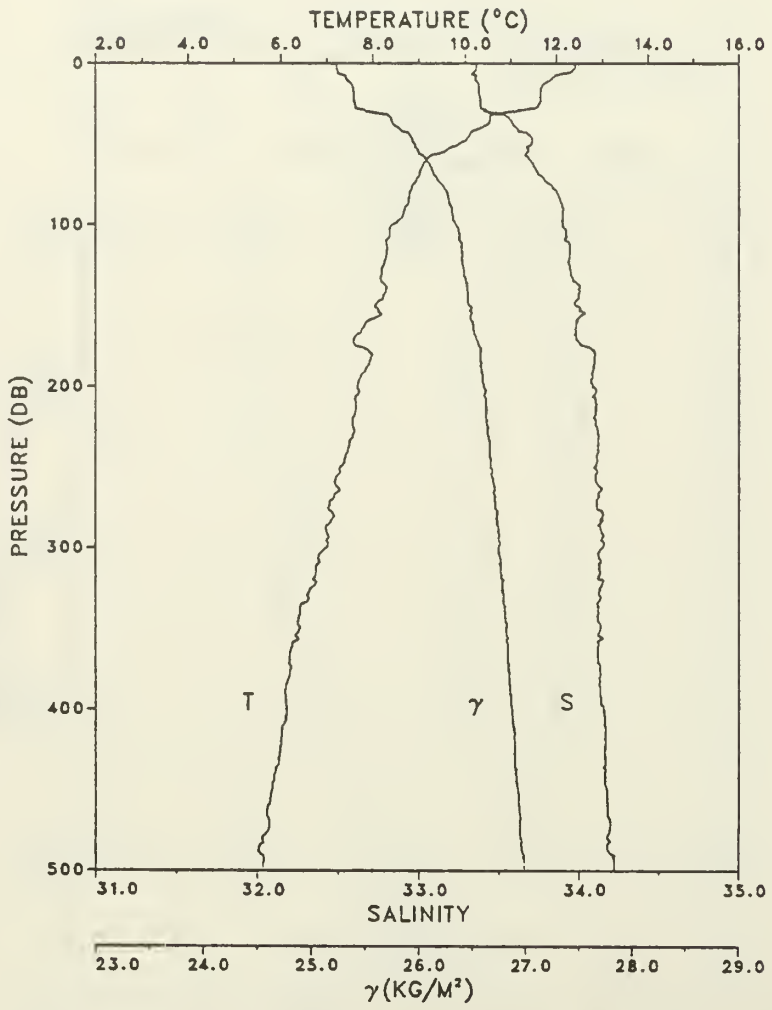
STATION: 102 LAT: 38 50.4 N LON: 124 19.9 W
DATE: 6/27/87 TIME: 1000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.651	33.054	24.[illegible]34	299.1	0.000
5	12.617	33.056	24.963	298.5	0.012
10	12.448	33.064	25.001	294.9	0.027
15	12.339	33.071	25.028	292.5	0.041
20	12.205	33.078	25.058	289.7	0.056
25	12.000	33.086	25.103	285.5	0.070
30	11.876	33.088	25.128	283.3	0.085
35	11.461	33.120	25.229	273.7	0.099
40	10.917	33.213	25.399	257.6	0.112
45	10.769	33.235	25.442	253.6	0.125
50	10.754	33.238	25.447	253.2	0.137
60	10.762	33.276	25.476	250.8	0.162
70	10.547	33.345	25.567	242.3	0.187
80	9.693	33.366	25.728	227.1	0.211
90	9.138	33.433	25.870	213.7	0.233
100	8.929	33.529	25.978	203.6	0.254
125	8.533	33.723	26.191	183.7	0.302
150	7.843	33.827	26.376	166.4	0.346
175	7.567	33.933	26.499	155.1	0.386
200	7.305	33.956	26.554	150.1	0.424
225	7.400	34.059	26.622	144.1	0.461
250	7.154	34.073	26.667	140.1	0.496
275	6.397	33.985	26.700	136.9	0.531
300	6.939	34.147	26.755	132.4	0.565
325	6.189	34.050	26.778	130.1	0.597
350	6.132	34.076	26.806	127.8	0.630
375	6.225	34.128	26.835	125.4	0.661
400	5.923	34.115	26.863	122.8	0.692
425	6.103	34.186	26.897	120.2	0.723
450	5.809	34.175	26.925	117.5	0.752
475	5.751	34.201	26.953	115.2	0.782
499	5.429	34.190	26.983	112.2	0.809



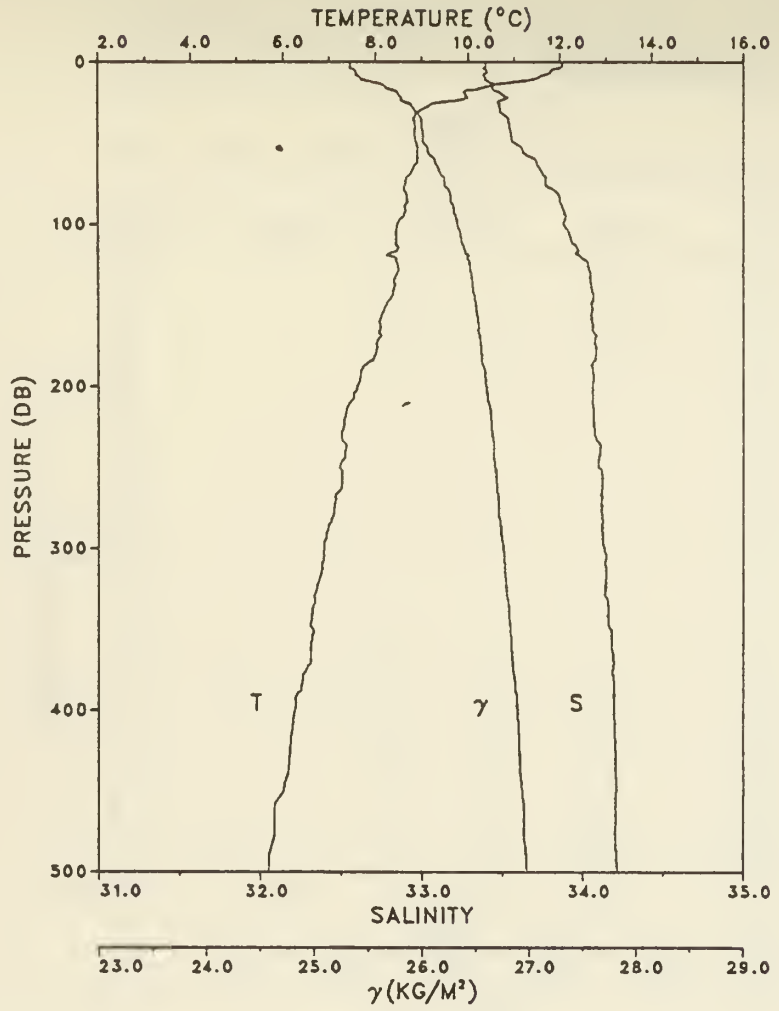
STATION: 103 LAT: 38 51.6 N LON: 124 13.3 W
DATE: 6/27/87 TIME: 1200Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.479	33.086	25.012	293.6	0.000
5	12.025	33.078	25.092	286.1	0.012
10	11.295	33.112	25.253	270.9	0.026
15	11.290	33.115	25.256	270.7	0.039
20	11.090	33.129	25.303	266.3	0.052
25	10.970	33.162	25.350	262.0	0.066
30	11.122	33.272	25.409	256.5	0.079
35	10.904	33.351	25.509	247.1	0.091
40	10.471	33.326	25.565	241.8	0.103
45	10.553	33.468	25.662	232.8	0.115
50	10.444	33.476	25.687	230.5	0.127
60	9.871	33.407	25.730	226.5	0.150
70	9.282	33.464	25.[illegible]71	213.2	0.172
80	9.181	33.503	25.918	209.0	0.193
90	8.872	33.587	26.032	198.2	0.213
100	8.492	33.674	26.159	186.3	0.232
125	8.146	33.802	26.312	172.2	0.277
150	8.167	33.968	26.439	160.6	0.319
175	7.744	33.974	26.506	154.5	0.358
200	7.568	34.024	26.570	148.7	0.396
225	7.273	34.025	26.613	144.9	0.433
250	6.763	33.980	26.648	141.8	0.469
275	6.346	33.977	26.700	136.9	0.503
300	6.479	34.051	26.741	133.4	0.537
325	6.571	34.096	26.765	131.6	0.570
350	6.233	34.080	26.796	128.7	0.603
375	6.039	34.098	26.835	125.2	0.635
400	5.944	34.138	26.879	121.4	0.666
425	6.077	34.184	26.898	120.0	0.696
450	5.908	34.179	26.916	118.5	0.726
475	5.738	34.215	26.965	114.0	0.755
499	5.519	34.234	27.007	110.1	0.781



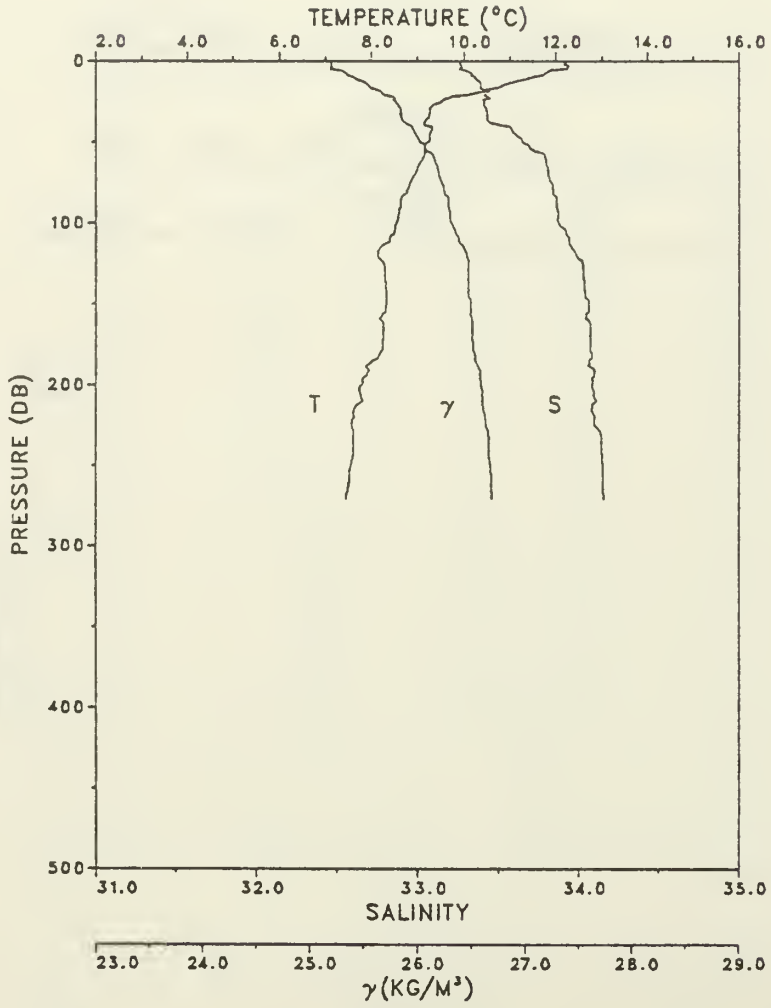
STATION: 104 LAT: 38 52.6 N LON: 124 7.4 W
DATE: 6/27/87 TIME: 1300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.413	33.354	25.233	272.6	0.000
5	12.347	33.352	25.244	271.7	0.011
10	11.890	33.351	25.330	263.6	0.024
15	11.663	33.371	25.387	258.3	0.037
20	11.648	33.374	25.392	257.9	0.050
25	11.618	33.380	25.403	257.0	0.063
30	11.118	33.407	25.515	246.5	0.076
35	10.535	33.566	25.741	225.0	0.087
40	10.383	33.604	25.797	219.8	0.099
45	10.083	33.687	25.913	208.8	0.109
50	9.866	33.703	25.962	204.3	0.120
60	9.145	33.691	26.070	194.1	0.140
70	8.987	33.759	26.149	186.8	0.159
80	8.787	33.861	26.260	176.4	0.177
90	8.679	33.899	26.307	172.2	0.194
100	8.433	33.895	26.341	169.0	0.211
125	8.223	33.937	26.406	163.3	0.253
150	8.026	33.976	26.466	157.9	0.293
175	7.645	34.033	26.567	148.7	0.331
200	7.651	34.081	26.603	145.6	0.368
225	7.563	34.113	26.641	142.4	0.404
250	7.284	34.091	26.663	140.5	0.439
275	7.025	34.109	26.714	136.0	0.474
300	6.992	34.141	26.743	133.6	0.508
325	6.647	34.126	26.778	130.4	0.541
350	6.409	34.128	26.811	127.5	0.573
375	6.208	34.127	26.836	125.3	0.605
400	6.130	34.155	26.869	122.5	0.635
425	5.989	34.162	26.892	120.5	0.666
450	5.800	34.174	26.925	117.5	0.696
475	5.726	34.191	26.948	115.6	0.725
499	5.608	34.220	26.985	112.2	0.752



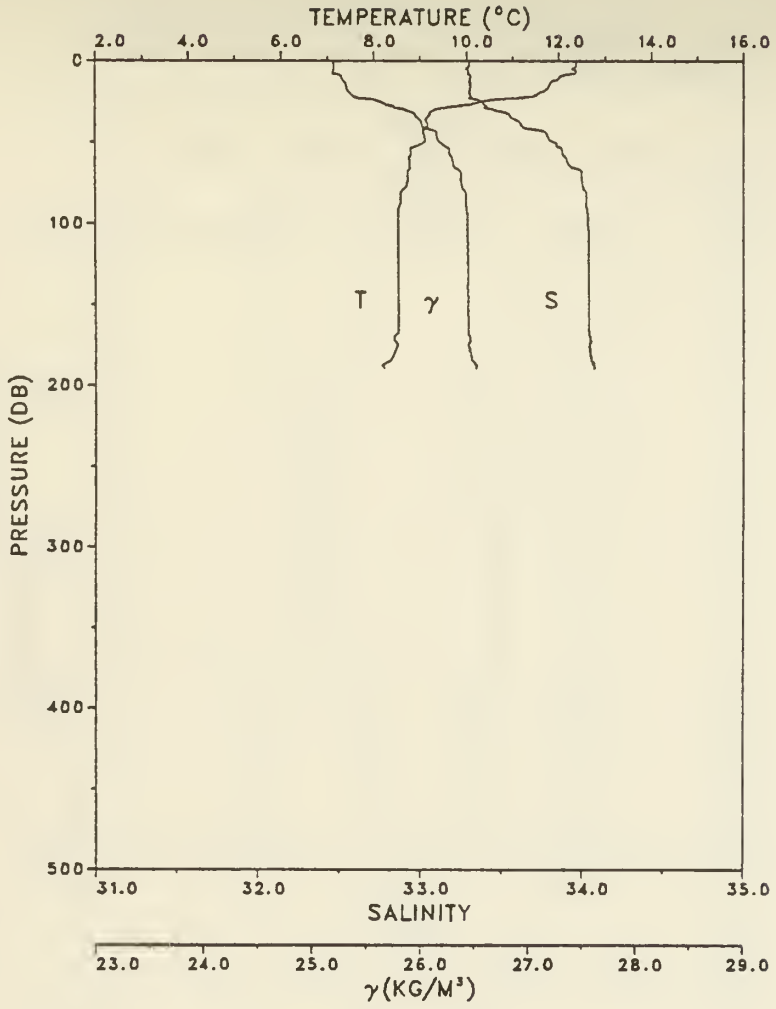
STATION: 105 LAT: 38 53.2 N LON: 124 1.7 W
DATE: 6/27/87 TIME: 1400Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.042	33.396	25.336	262.8	0.000
5	11.830	33.402	25.380	258.7	0.010
10	11.530	33.393	25.429	254.2	0.023
15	10.495	33.438	25.648	233.4	0.035
20	9.959	33.497	25.786	220.4	0.047
25	9.388	33.468	25.857	213.7	0.058
30	8.970	33.485	25.937	206.2	0.068
35	8.828	33.536	25.999	200.4	0.078
40	8.854	33.543	26.001	200.3	0.088
45	8.846	33.553	26.010	199.6	0.098
50	8.882	33.575	26.021	198.6	0.108
60	8.900	33.705	26.120	189.4	0.128
70	8.723	33.760	26.191	182.8	0.146
80	8.645	33.834	26.261	176.3	0.164
90	8.636	33.876	26.295	173.2	0.182
100	8.464	33.883	26.327	170.4	0.199
125	8.472	34.033	26.444	159.8	0.240
150	8.222	34.059	26.502	154.6	0.279
175	8.031	34.081	26.548	150.6	0.318
200	7.594	34.064	26.598	146.1	0.355
225	7.294	34.072	26.647	141.7	0.391
250	7.209	34.101	26.682	138.8	0.426
275	7.094	34.118	26.711	136.3	0.460
300	6.878	34.137	26.756	132.3	0.494
325	6.713	34.141	26.781	130.2	0.527
350	6.647	34.178	26.819	126.9	0.559
375	6.491	34.184	26.845	124.7	0.590
400	6.240	34.194	26.885	121.0	0.621
425	6.141	34.202	26.904	119.5	0.651
450	5.993	34.209	26.929	117.4	0.680
475	5.795	34.201	26.947	115.7	0.710
499	5.662	34.212	26.972	113.5	0.737



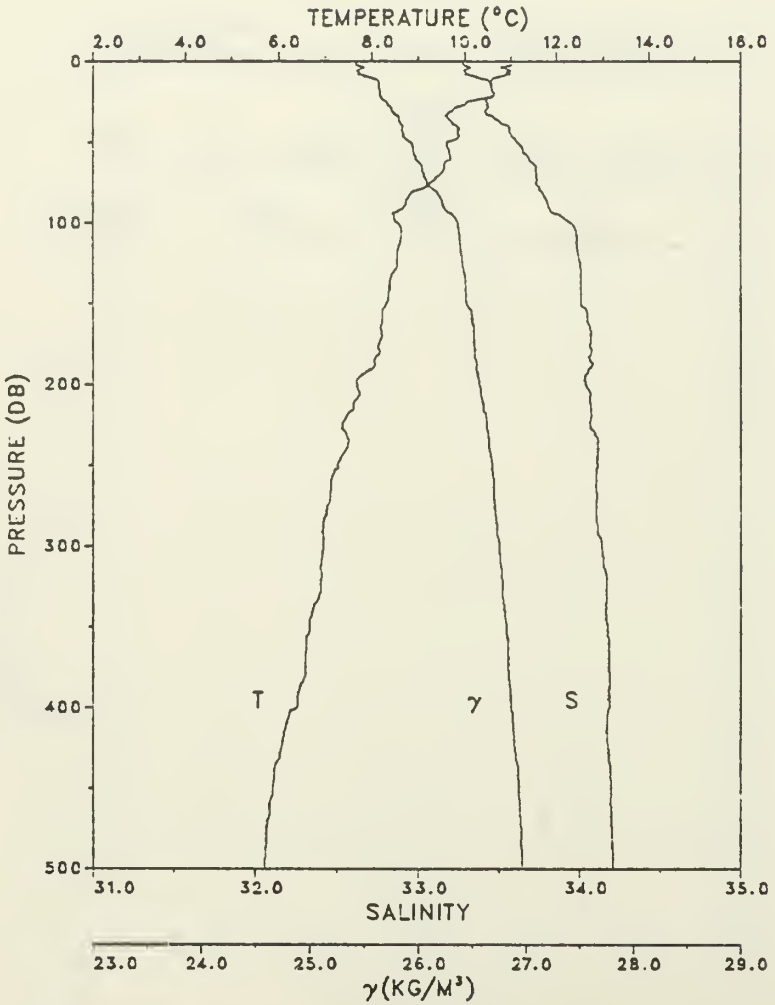
STATION: 106 LAT: 38 53.9 N LON: 123 55.7 W
DATE: 6/27/87 TIME: 1453Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.227	33.262	25.197	276.1	0.000
5	12.249	33.260	25.191	276.7	0.011
10	11.534	33.354	25.398	257.1	0.024
15	10.889	33.390	25.542	243.5	0.037
20	10.291	33.427	25.675	231.0	0.049
25	9.517	33.416	25.795	219.6	0.060
30	9.270	33.425	25.842	215.2	0.071
35	9.243	33.431	25.851	214.4	0.082
40	9.166	33.516	25.930	207.1	0.092
45	9.261	33.600	25.981	202.4	0.102
50	9.235	33.647	26.022	198.6	0.112
60	9.115	33.791	26.153	186.2	0.132
70	8.943	33.809	26.195	182.5	0.150
80	8.776	33.838	26.244	178.0	0.168
90	8.626	33.863	26.287	174.1	0.186
100	8.527	33.875	26.311	171.9	0.203
125	8.273	34.028	26.470	157.2	0.244
150	8.317	34.060	26.488	155.9	0.283
175	8.242	34.072	26.509	154.4	0.322
200	7.787	34.082	26.584	147.5	0.360
225	7.566	34.099	26.630	143.5	0.396
250	7.545	34.149	26.672	139.9	0.432
271	7.442	34.153	26.690	138.5	0.461



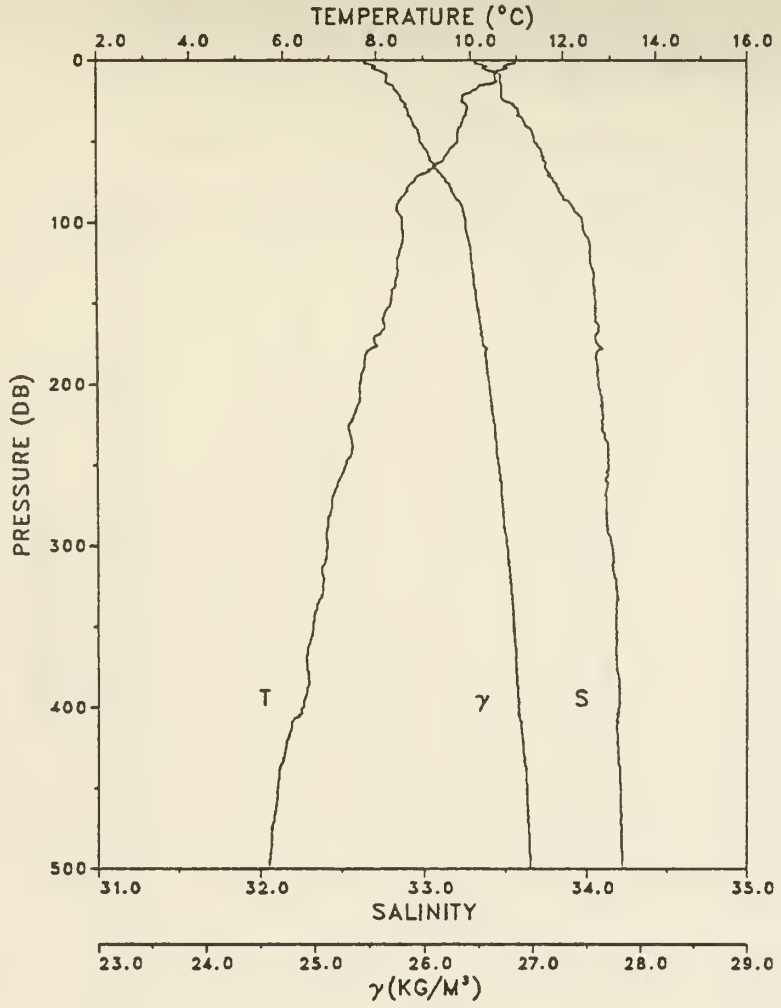
STATION: 107 LAT: 39 0.3 N LON: 123 55.3 W
DATE: 6/27/87 TIME: 1553Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.371	33.303	25.201	275.6	0.000
5	12.290	33.280	25.199	276.0	0.011
10	12.019	33.310	25.274	269.0	0.025
15	11.787	33.307	25.315	265.2	0.038
20	11.592	33.307	25.351	261.8	0.051
25	10.364	33.377	25.623	236.0	0.064
30	9.353	33.450	25.849	214.6	0.075
35	9.145	33.557	25.966	203.6	0.085
40	9.158	33.622	26.014	199.1	0.095
45	9.078	33.781	26.152	186.1	0.105
50	9.091	33.826	26.185	183.1	0.114
60	8.757	33.904	26.298	172.4	0.132
70	8.738	34.000	26.377	165.2	0.149
80	8.597	34.022	26.416	161.6	0.165
90	8.553	34.028	26.427	160.7	0.181
100	8.530	34.036	26.437	160.0	0.197
125	8.531	34.044	26.443	159.8	0.237
150	8.534	34.044	26.443	160.3	0.277
175	8.520	34.045	26.446	160.5	0.318
190	8.220	34.071	26.512	154.4	0.341



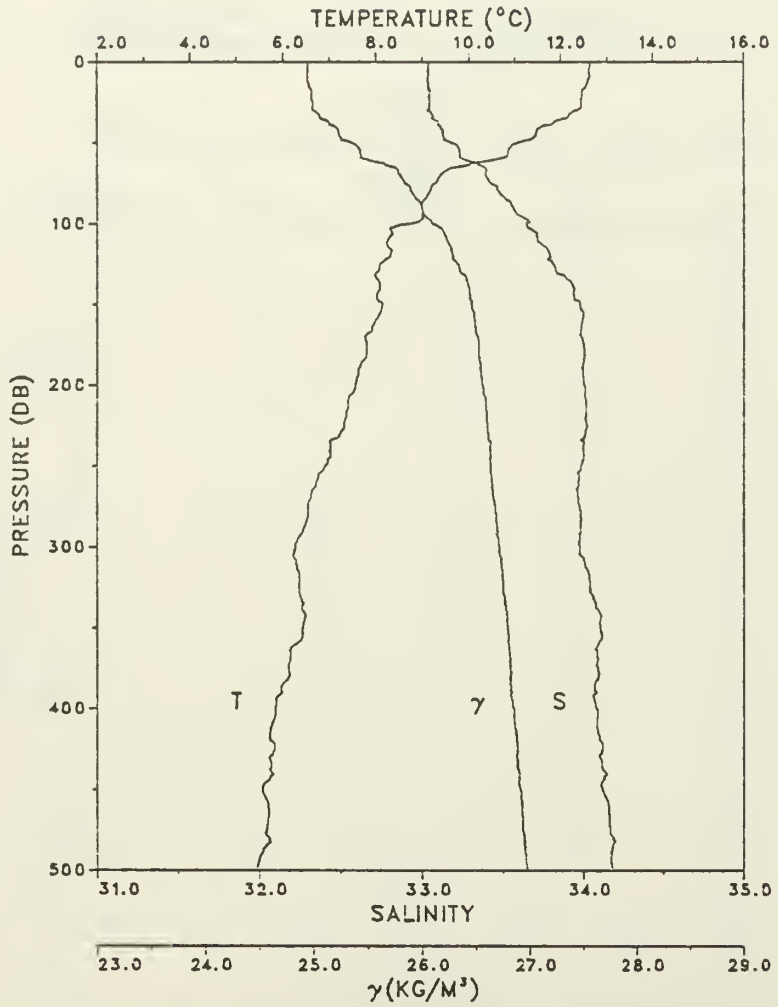
STATION: 108 LAT: 39 0.2 N LON: 124 4.6 W
DATE: 6/27/87 TIME: 1711Z

	PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
*	1	11.036	33.274	25.426	254.3	0.000
	5	10.939	33.301	25.464	250.7	0.010
	10	10.728	33.359	25.546	243.0	0.022
	15	10.580	33.443	25.638	234.4	0.034
	20	10.636	33.468	25.647	233.6	0.046
	25	10.058	33.419	25.708	227.9	0.058
	30	9.754	33.416	25.757	223.4	0.069
	35	9.628	33.468	25.818	217.7	0.080
	40	9.813	33.557	25.857	214.1	0.091
	45	9.857	33.572	25.861	213.7	0.101
	50	9.615	33.613	25.933	207.0	0.112
	60	9.704	33.686	25.976	203.2	0.132
	70	9.458	33.732	26.052	196.1	0.152
	80	8.960	33.753	26.148	187.1	0.172
	90	8.699	33.806	26.231	179.4	0.190
	100	8.560	33.945	26.361	167.2	0.207
	125	8.551	34.004	26.409	163.1	0.248
	150	8.309	34.006	26.447	159.8	0.289
	175	8.156	34.060	26.513	154.0	0.328
	200	7.681	34.039	26.566	149.2	0.366
	225	7.364	34.065	26.632	143.2	0.403
	250	7.268	34.110	26.681	138.9	0.438
	275	7.041	34.103	26.707	136.7	0.472
	300	6.946	34.137	26.747	133.3	0.506
	325	6.895	34.165	26.776	130.8	0.539
	350	6.657	34.170	26.812	127.6	0.571
	375	6.571	34.180	26.831	126.1	0.603
	400	6.390	34.184	26.858	123.7	0.634
	425	6.055	34.176	26.895	120.3	0.665
	450	5.874	34.193	26.931	117.0	0.694
	475	5.739	34.198	26.952	115.2	0.723
	499	5.702	34.204	26.961	114.6	0.751



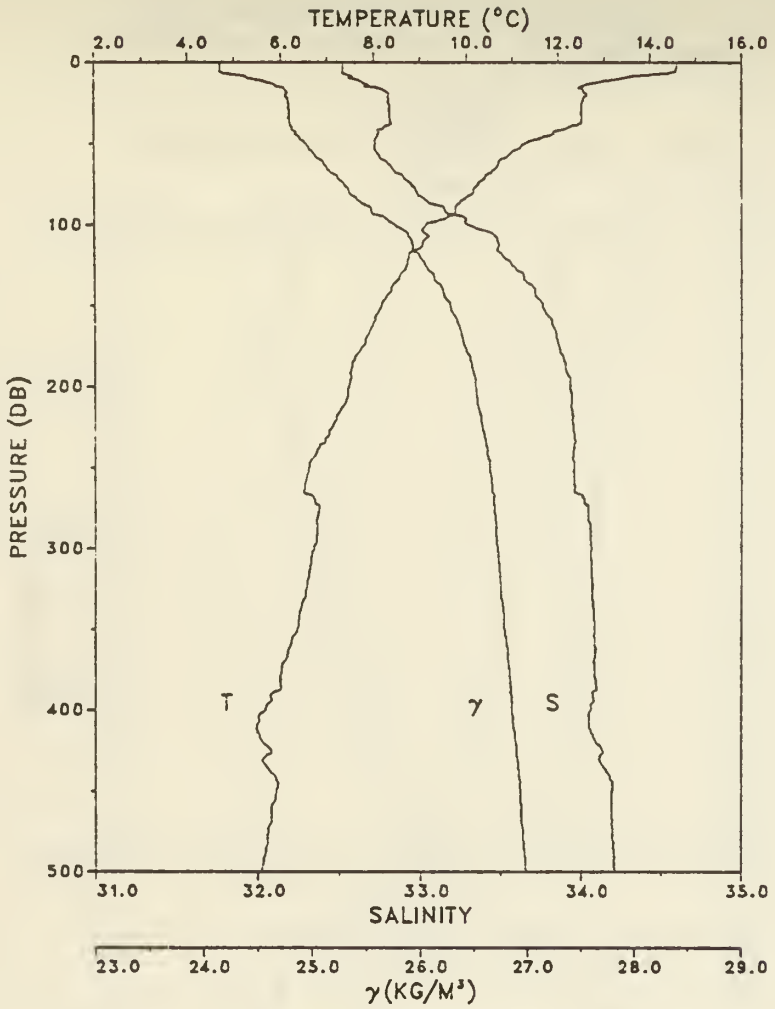
STATION: 908 LAT: 39 0.1 N LON: 124 4.4 W
DATE: 6/27/87 TIME: 1723Z

	PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
*	1	10.980	33.315	25.468	250.3	0.000
	5	10.816	33.359	25.531	244.4	0.010
	10	10.530	33.472	25.669	231.4	0.022
*	15	10.450	33.476	25.686	229.9	0.033
*	20	10.031	33.478	25.759	223.0	0.045
	25	9.818	33.496	25.808	218.4	0.056
	30	9.931	33.579	25.854	214.1	0.066
	35	9.862	33.603	25.885	211.3	0.077
	40	9.814	33.623	25.908	209.2	0.088
	45	9.733	33.672	25.960	204.4	0.098
	50	9.725	33.684	25.971	203.4	0.108
	60	9.434	33.742	26.064	194.8	0.128
	70	8.991	33.780	26.165	185.3	0.147
	80	8.660	33.831	26.256	176.8	0.165
	90	8.436	33.913	26.355	167.5	0.182
	100	8.548	33.976	26.387	164.7	0.199
	125	8.439	34.028	26.445	159.7	0.240
	150	8.293	34.056	26.489	155.9	0.279
	175	7.984	34.070	26.546	150.8	0.317
	200	7.634	34.073	26.600	146.0	0.354
	225	7.403	34.095	26.650	141.5	0.390
	250	7.326	34.134	26.691	137.9	0.425
	275	7.038	34.121	26.721	135.3	0.459
	300	6.926	34.155	26.763	131.6	0.493
	325	6.835	34.183	26.798	128.7	0.525
	350	6.625	34.180	26.824	126.5	0.557
	375	6.495	34.184	26.844	124.8	0.589
	400	6.402	34.195	26.865	123.1	0.620
	425	6.033	34.193	26.911	118.7	0.650
	450	5.861	34.209	26.945	115.7	0.679
	475	5.742	34.212	26.962	114.2	0.708
	499	5.683	34.219	26.975	113.3	0.735



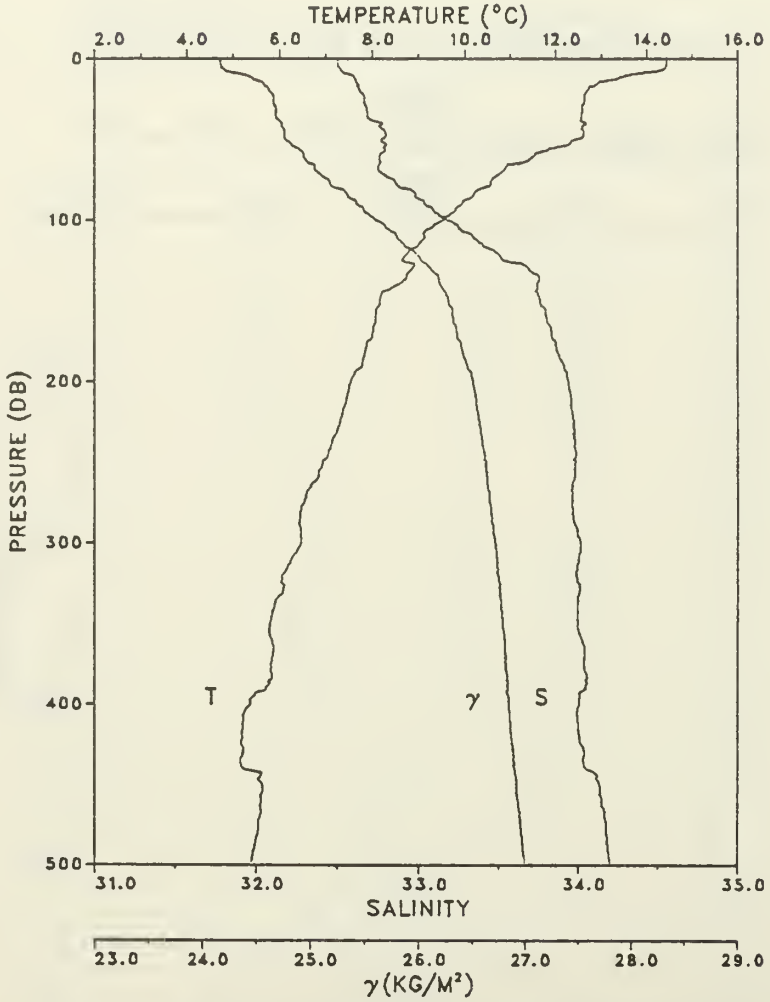
STATION: 109 LAT: 39 0.2 N LON: 124 12.6 W
DATE: 6/27/87 TIME: 1818Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.627	33.036	24.945	300.0	0.000
5	12.620	33.034	24.945	300.1	0.012
10	12.624	33.034	24.944	300.3	0.027
15	12.552	33.038	24.961	298.8	0.042
20	12.458	33.042	24.982	296.9	0.057
25	12.443	33.043	24.986	296.7	0.072
30	12.361	33.030	24.992	296.3	0.087
35	12.130	33.057	25.056	290.2	0.101
40	11.605	33.110	25.195	277.1	0.115
45	11.461	33.126	25.234	273.5	0.129
50	11.071	33.182	25.348	262.7	0.143
60	10.694	33.242	25.461	252.1	0.168
70	9.385	33.392	25.798	220.2	0.192
80	9.154	33.472	25.898	210.9	0.213
90	8.983	33.560	25.994	201.9	0.234
100	8.757	33.639	26.091	192.8	0.254
125	8.083	33.812	26.329	170.5	0.299
150	8.128	33.975	26.450	159.5	0.341
175	7.796	33.999	26.518	153.4	0.380
200	7.552	34.002	26.556	150.1	0.418
225	7.317	34.018	26.601	146.0	0.455
250	6.899	33.981	26.630	143.5	0.491
275	6.538	33.973	26.672	139.7	0.526
300	6.257	33.974	26.709	136.3	0.561
325	6.355	34.038	26.747	133.1	0.594
350	6.426	34.100	26.787	129.8	0.627
375	6.125	34.087	26.816	127.2	0.659
400	5.835	34.084	26.850	124.0	0.691
425	5.813	34.114	26.876	121.8	0.721
450	5.554	34.117	26.910	118.6	0.751
475	5.654	34.163	26.934	116.8	0.781
499	5.438	34.182	26.976	113.9	0.808



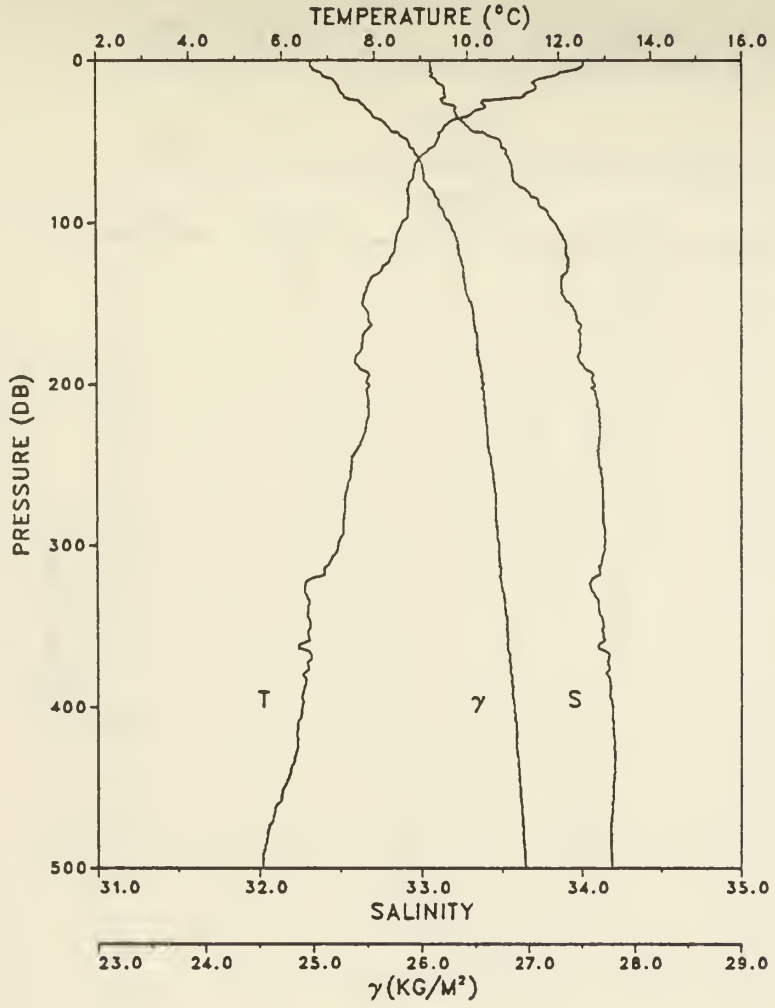
STATION: 110 LAT: 39 0.1 N LON: 124 21.1 W
DATE: 6/27/87 TIME: 1923Z

	PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
*	1	14.588	32.529	24.156	375.2	0.000
	5	14.571	32.526	24.158	375.2	0.015
	10	13.452	32.561	24.415	350.7	0.033
	15	12.541	32.658	24.669	326.7	0.050
	20	12.632	32.805	24.765	317.6	0.066
	25	12.512	32.807	24.790	315.4	0.082
	30	12.503	32.812	24.795	314.9	0.098
	35	12.510	32.815	24.796	315.0	0.114
	40	12.252	32.779	24.818	313.0	0.129
	45	11.817	32.744	24.872	307.9	0.145
	50	11.290	32.722	24.951	300.5	0.160
	60	10.757	32.770	25.082	288.1	0.189
	70	10.412	32.895	25.239	273.4	0.217
	80	10.160	32.979	25.348	263.2	0.244
	90	9.761	33.148	25.546	244.5	0.270
	100	9.116	33.302	25.771	223.3	0.293
	125	8.704	33.574	26.048	197.3	0.346
	150	8.159	33.758	26.275	176.1	0.392
	175	7.761	33.861	26.415	163.1	0.435
	200	7.456	33.928	26.511	154.3	0.474
	225	7.095	33.948	26.577	148.2	0.512
	250	6.597	33.952	26.648	141.7	0.548
	275	6.815	34.042	26.689	138.2	0.583
	300	6.712	34.061	26.718	135.8	0.618
	325	6.540	34.068	26.747	133.3	0.651
	350	6.336	34.079	26.782	130.2	0.684
	375	6.004	34.082	26.827	126.0	0.716
	400	5.652	34.056	26.850	123.8	0.747
	425	5.784	34.136	26.897	119.8	0.778
	450	5.885	34.191	26.928	117.3	0.808
	475	5.721	34.194	26.951	115.3	0.837
	499	5.580	34.209	26.980	112.7	0.864



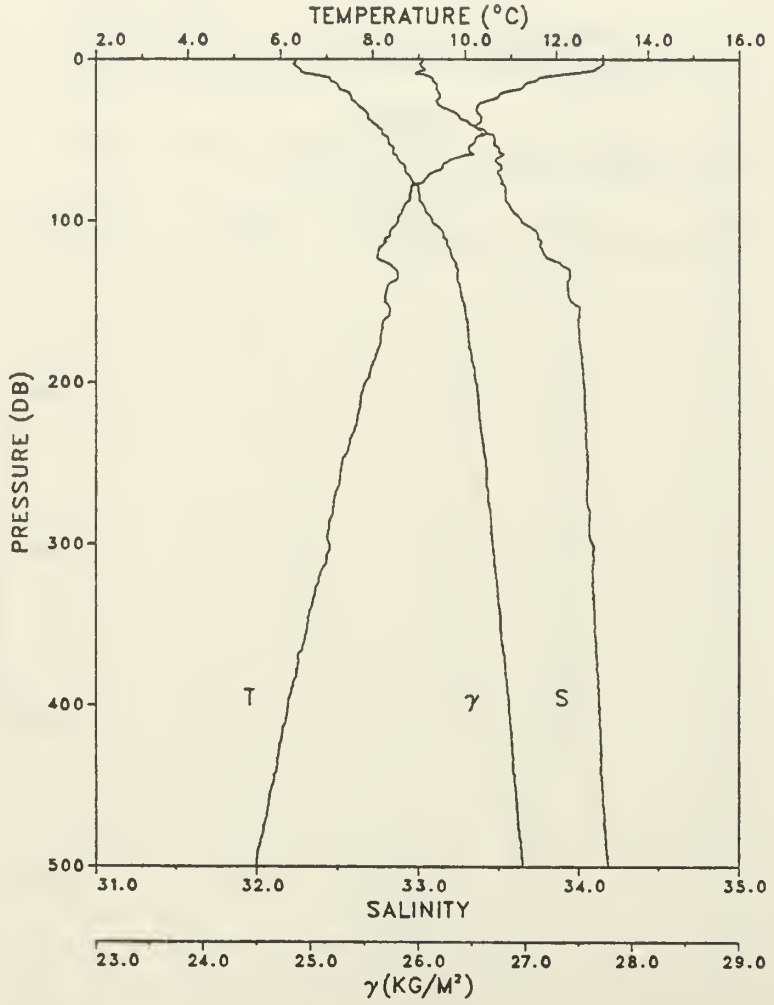
STATION: 111 LAT: 39 0.0 N LON: 124 29.1 W
DATE: 6/27/87 TIME: 2000Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	14.429	32.502	24.159	374.0	0.000
5	14.416	32.509	24.177	373.3	0.015
10	13.674	32.577	24.383	353.8	0.033
15	12.953	32.620	24.559	337.1	0.050
20	12.682	32.637	24.625	330.9	0.067
25	12.633	32.665	24.656	328.1	0.084
30	12.574	32.677	24.677	326.2	0.100
35	12.570	32.683	24.683	325.8	0.116
40	12.659	32.777	24.738	320.6	0.132
45	12.607	32.792	24.760	318.7	0.148
50	12.465	32.765	24.766	318.2	0.164
60	11.532	32.759	24.936	302.2	0.195
70	10.830	32.758	25.060	290.4	0.225
80	10.426	32.888	25.232	274.3	0.253
90	9.933	33.035	25.429	255.6	0.280
100	9.530	33.178	25.607	238.8	0.304
125	8.626	33.530	26.026	199.4	0.359
150	8.159	33.758	26.275	176.1	0.406
175	7.900	33.854	26.389	165.6	0.449
200	7.528	33.934	26.505	154.8	0.489
225	7.301	33.967	26.564	149.6	0.527
250	6.925	33.978	26.624	144.1	0.564
275	6.521	33.958	26.662	140.6	0.599
300	6.454	34.014	26.715	135.9	0.634
325	6.062	34.009	26.762	131.5	0.667
350	5.788	33.994	26.784	129.5	0.700
375	5.809	34.033	26.812	127.2	0.732
400	5.351	34.003	26.844	124.1	0.763
425	5.168	34.020	26.879	120.9	0.794
450	5.622	34.132	26.914	118.4	0.824
475	5.547	34.173	26.955	114.7	0.853
499	5.390	34.195	26.992	111.4	0.880



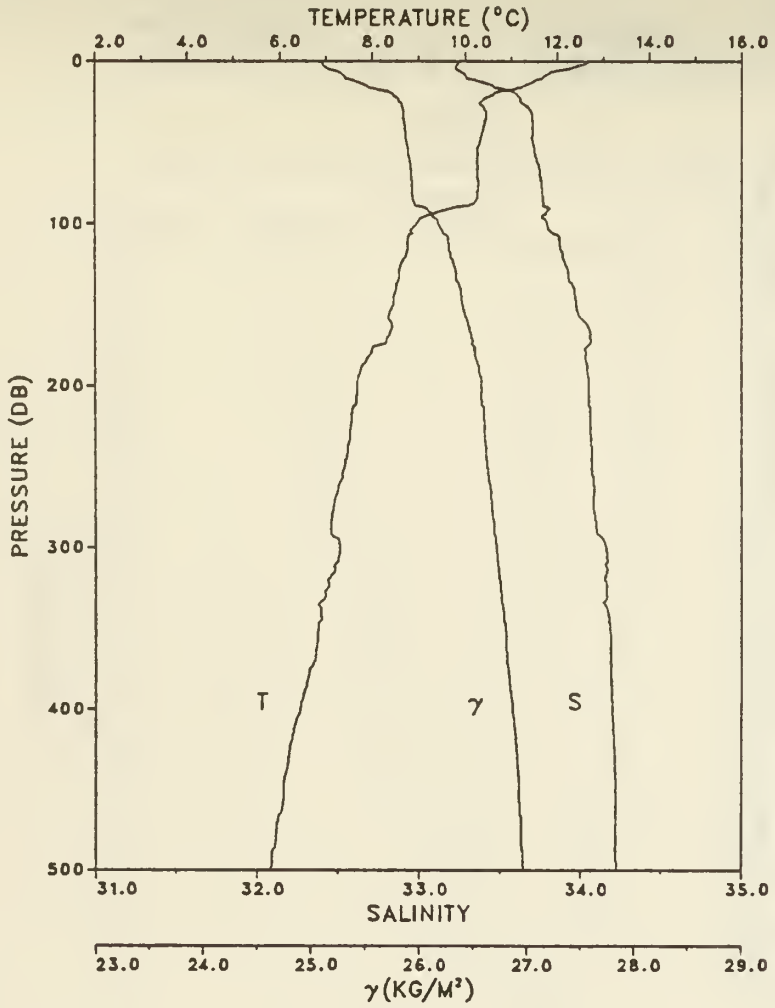
STATION: 112 LAT: 38 36.5 N LON: 124 2.1 W
DATE: 6/28/87 TIME: 0200Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.522	33.058	24.982	296.5	0.000
5	12.461	33.067	25.001	294.8	0.012
10	11.875	33.056	25.103	285.2	0.026
15	11.470	33.119	25.227	273.5	0.040
20	11.310	33.140	25.272	269.3	0.054
25	10.330	33.134	25.440	253.4	0.067
30	10.346	33.209	25.495	248.2	0.079
35	9.995	33.223	25.566	241.6	0.092
40	9.551	33.278	25.682	230.6	0.104
45	9.394	33.390	25.795	220.0	0.115
50	9.346	33.490	25.881	211.9	0.126
60	8.977	33.544	25.982	202.5	0.146
70	8.843	33.569	26.033	198.8	0.166
80	8.709	33.656	26.112	190.5	0.186
90	8.735	33.738	26.172	185.0	0.205
100	8.589	33.831	26.267	176.1	0.223
125	8.294	33.917	26.380	165.8	0.265
150	7.736	33.927	26.470	157.5	0.306
175	7.730	33.991	26.521	153.0	0.345
200	7.875	34.084	26.573	148.6	0.382
225	7.802	34.110	26.604	146.0	0.419
250	7.481	34.107	26.648	142.1	0.455
275	7.345	34.131	26.686	138.8	0.490
300	7.194	34.141	26.715	136.3	0.525
325	6.472	34.052	26.743	133.6	0.558
350	6.596	34.131	26.789	129.7	0.591
375	6.549	34.169	26.825	126.6	0.623
400	6.409	34.188	26.859	123.7	0.655
425	6.310	34.200	26.881	121.8	0.685
450	6.009	34.192	26.913	118.8	0.715
475	5.694	34.182	26.944	115.9	0.745
499	5.553	34.186	26.965	114.1	0.772



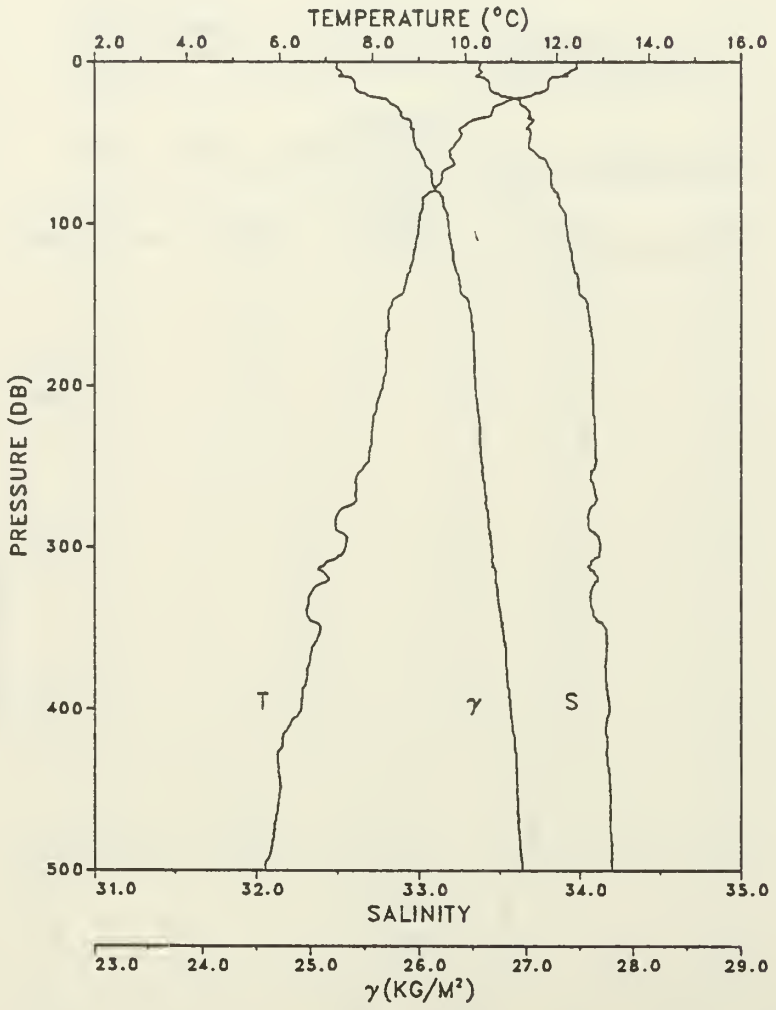
STATION: 113 LAT: 38 32.3 N LON: 123 59.2 W
DATE: 6/28/87 TIME: 0300Z

PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	13.025	33.023	24.857	308.4	0.000
5	12.939	33.020	24.872	307.1	0.012
10	12.122	33.038	25.043	290.9	0.027
15	11.368	33.106	25.235	272.7	0.041
20	10.924	33.122	25.327	264.1	0.055
25	10.600	33.118	25.381	259.0	0.068
30	10.269	33.143	25.457	251.9	0.081
35	10.332	33.250	25.530	245.1	0.093
40	10.322	33.306	25.575	240.9	0.105
45	10.345	33.416	25.657	233.2	0.117
50	10.230	33.470	25.719	227.4	0.129
60	9.981	33.522	25.802	219.7	0.151
70	9.353	33.486	25.877	212.7	0.173
80	8.839	33.535	25.997	201.4	0.193
90	8.702	33.560	26.037	197.7	0.213
100	8.540	33.637	26.123	189.8	0.233
125	8.244	33.850	26.335	170.0	0.278
150	8.250	33.951	26.413	163.0	0.319
175	8.162	34.001	26.465	158.5	0.359
200	7.828	34.027	26.535	152.1	0.398
225	7.657	34.043	26.573	148.9	0.436
250	7.331	34.051	26.625	144.2	0.472
275	7.153	34.050	26.650	142.2	0.508
300	7.076	34.085	26.688	138.9	0.543
325	6.791	34.084	26.726	135.5	0.578
350	6.592	34.099	26.764	132.0	0.611
375	6.380	34.115	26.805	128.4	0.644
400	6.175	34.127	26.841	125.2	0.675
425	5.991	34.138	26.873	122.3	0.706
450	5.824	34.146	26.900	119.9	0.737
475	5.654	34.163	26.934	116.8	0.766
499	5.485	34.183	26.971	113.4	0.794



STATION: 114 LAT: 38 25.6 N LON: 123 54.4 W
DATE: 6/28/87 TIME: 0400Z

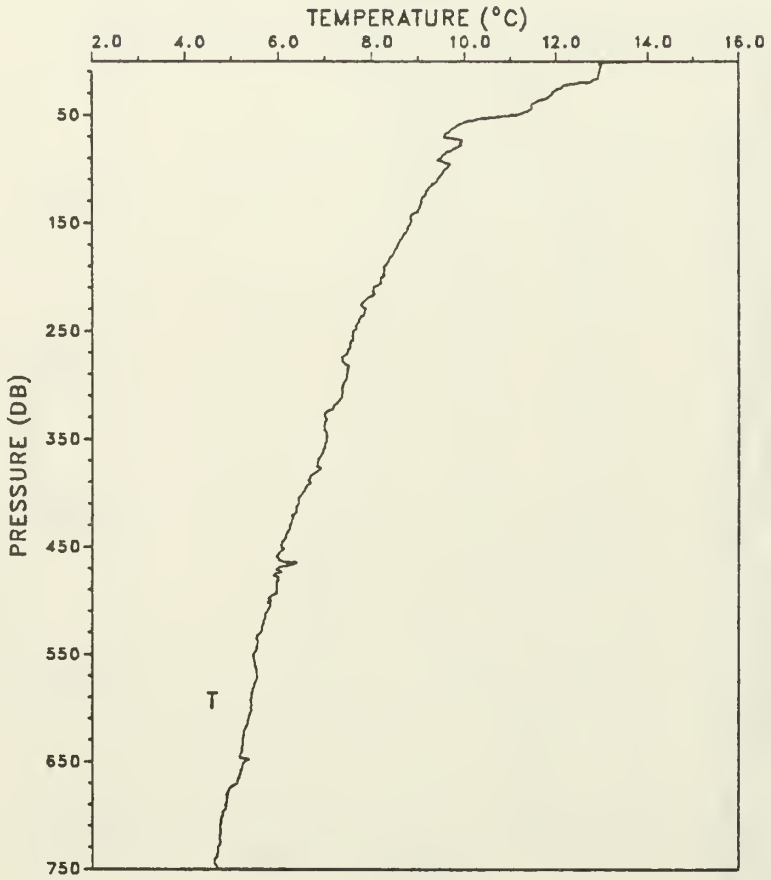
PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.658	33.239	25.096	285.6	0.000
5	12.255	33.228	25.165	279.2	0.011
10	11.692	33.293	25.321	264.4	0.025
15	11.311	33.451	25.514	246.2	0.038
20	10.598	33.604	25.760	222.9	0.049
25	10.324	33.625	25.824	217.0	0.060
30	10.421	33.688	25.856	214.0	0.071
35	10.450	33.699	25.860	213.7	0.082
40	10.405	33.704	25.871	212.7	0.093
45	10.354	33.702	25.879	212.1	0.103
50	10.307	33.705	25.889	211.3	0.114
60	10.267	33.727	25.913	209.2	0.135
70	10.268	33.750	25.931	207.7	0.156
80	10.268	33.761	25.939	207.1	0.176
90	9.798	33.795	26.045	197.2	0.197
100	8.947	33.792	26.181	184.3	0.216
125	8.620	33.909	26.324	171.2	0.260
150	8.447	33.974	26.401	164.2	0.302
175	8.148	34.050	26.506	154.6	0.342
200	7.672	34.051	26.577	148.1	0.380
225	7.533	34.062	26.605	145.8	0.416
250	7.394	34.070	26.631	143.6	0.453
275	7.154	34.084	26.676	139.7	0.488
300	7.292	34.162	26.718	136.1	0.522
325	7.024	34.163	26.756	132.7	0.556
350	6.830	34.186	26.801	128.8	0.589
375	6.647	34.190	26.829	126.4	0.621
400	6.442	34.200	26.864	123.2	0.652
425	6.210	34.212	26.903	119.6	0.682
450	6.083	34.216	26.923	118.0	0.712
475	5.917	34.221	26.948	115.8	0.741
499	5.791	34.223	26.965	114.3	0.769



STATION: 115 LAT: 38 18.6 N LON: 123 50.6 W
DATE: 6/28/87 TIME: 0500Z

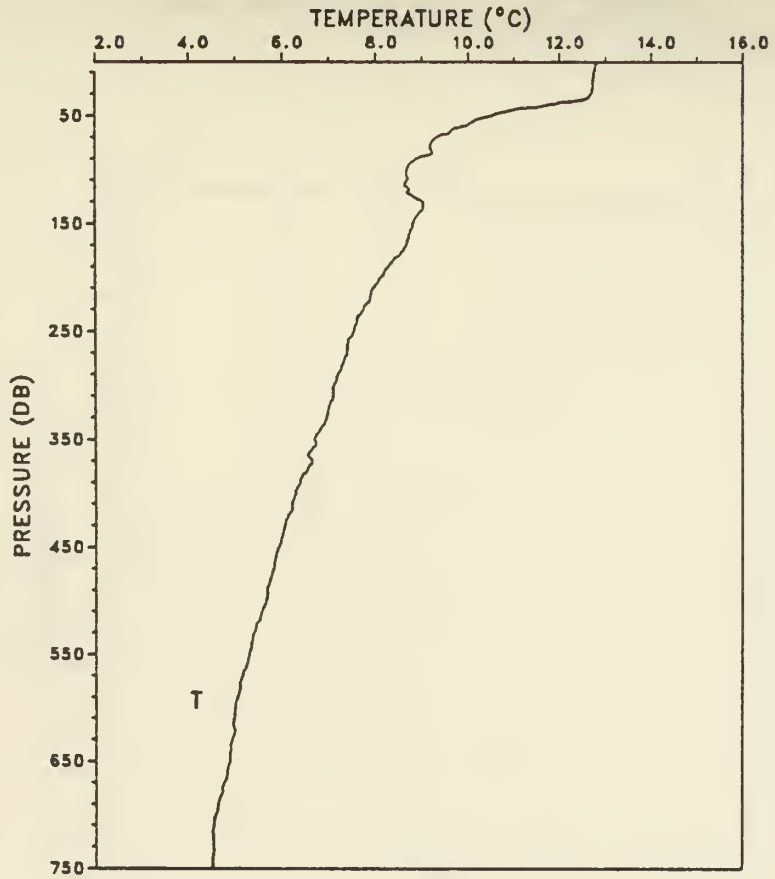
PRESS	TEMP	SAL	DENSITY ANOMALY	SVA	SUM DYN
1	12.425	33.379	25.250	271.0	0.000
5	12.373	33.369	25.252	270.9	0.011
10	11.874	33.399	25.370	259.8	0.024
15	11.810	33.433	25.408	256.3	0.037
20	11.516	33.493	25.509	246.8	0.050
25	10.852	33.625	25.732	225.7	0.061
30	10.580	33.681	25.823	217.1	0.072
35	10.332	33.674	25.860	213.7	0.083
40	9.973	33.674	25.922	207.9	0.094
45	9.919	33.695	25.947	205.6	0.104
50	9.787	33.681	25.958	204.6	0.114
60	9.701	33.771	26.043	196.8	0.134
70	9.488	33.819	26.115	190.1	0.154
80	9.300	33.837	26.160	186.0	0.173
90	9.075	33.886	26.234	179.1	0.191
100	8.994	33.912	26.267	176.1	0.209
125	8.834	33.957	26.328	170.8	0.252
150	8.410	34.046	26.463	158.3	0.293
175	8.294	34.080	26.508	154.5	0.332
200	8.211	34.080	26.520	153.7	0.371
225	7.993	34.091	26.561	150.2	0.409
250	7.803	34.091	26.589	147.8	0.446
275	7.457	34.067	26.620	145.1	0.483
300	7.414	34.126	26.673	140.5	0.518
325	6.745	34.075	26.725	135.5	0.553
350	6.883	34.160	26.773	131.4	0.586
375	6.589	34.159	26.812	127.9	0.619
400	6.461	34.182	26.847	124.8	0.650
425	6.029	34.163	26.888	120.9	0.681
450	6.007	34.186	26.909	119.2	0.711
475	5.882	34.190	26.928	117.7	0.741
499	5.673	34.199	26.961	114.6	0.768

Figure 39. Listing of temperature at selected pressures and profiles of temperature (T) for all XBT stations of cruise CTZ2.



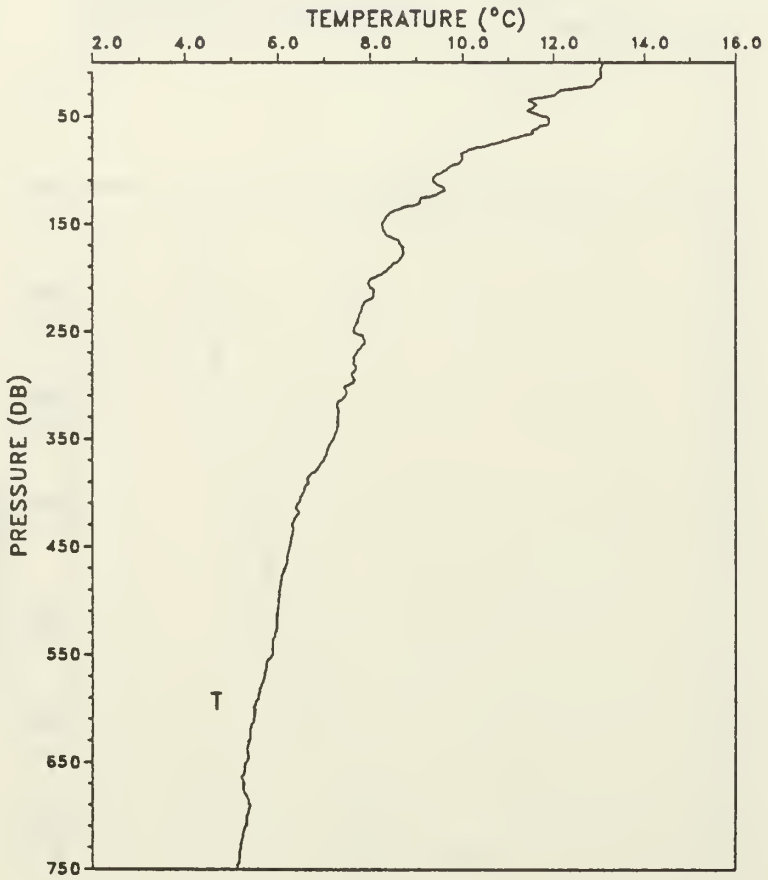
PRESS	TEMP	PRESS	TEMP
1	13.650	550	5.480
5	12.970	601	5.410
10	12.950	650	5.280
15	12.920	701	4.800
20	12.730	750	4.700
26	12.060		
30	11.920		
35	11.770		
40	11.480		
46	11.400		
50	11.150		
60	9.830		
70	9.550		
81	9.800		
90	9.490		
100	9.590		
125	9.130		
150	8.830		
175	8.590		
200	8.230		
225	7.780		
250	7.610		
276	7.380		
300	7.380		
325	7.020		
350	7.040		
375	6.810		
400	6.510		
425	6.280		
450	6.080		
475	5.940		
500	5.820		

STATION: 426 LAT: 38 43.1 N LON: 124 31.2 W
DATE: 6/18/87 TIME: 1000Z



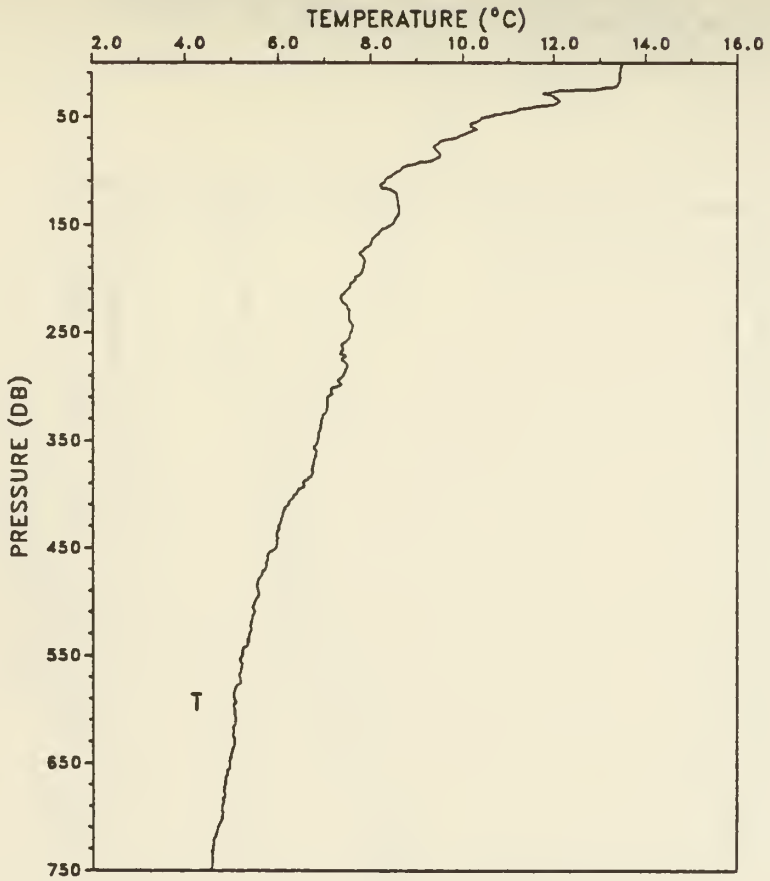
PRESS	TEMP	PRESS	TEMP
1	12.760	550	5.290
6	12.765	601	4.980
10	12.750	650	4.870
16	12.735	701	4.575
20	12.730	750	4.500
26	12.710		
30	12.690		
36	12.530		
40	11.780		
46	10.815		
50	10.525		
60	9.920		
70	9.325		
81	9.200		
91	8.845		
100	8.675		
125	8.835		
151	8.800		
175	8.590		
200	8.100		
225	7.790		
250	7.535		
276	7.340		
300	7.110		
325	6.980		
350	6.700		
376	6.560		
400	6.300		
426	6.080		
450	5.915		
475	5.780		
501	5.640		

STATION: 479 LAT: 38 13.3 N LON: 124 5.6 W
DATE: 6/22/87 TIME: 0753Z



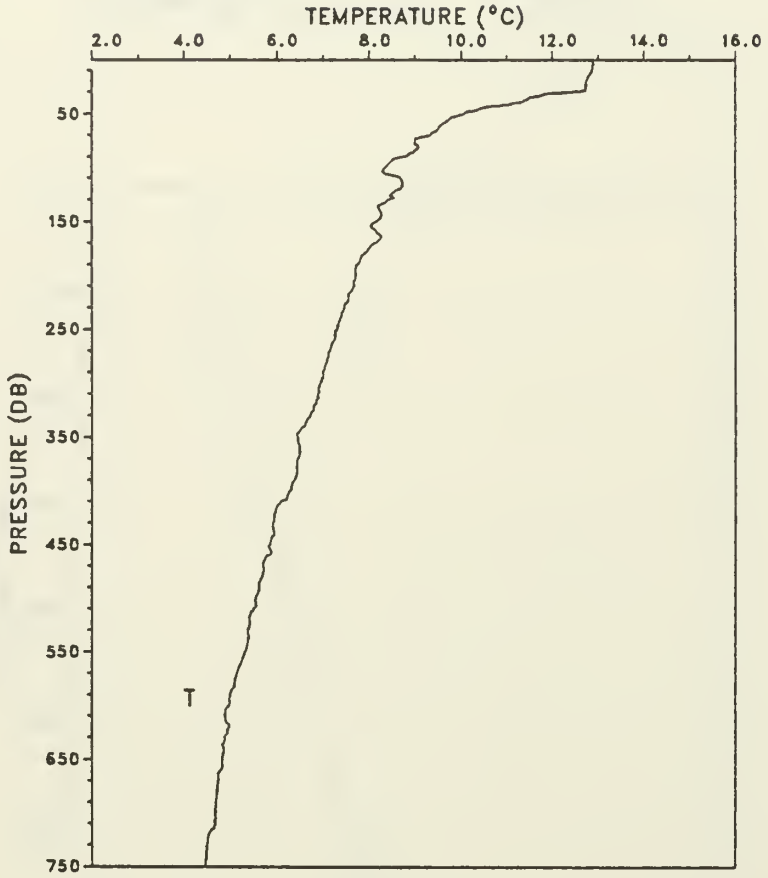
PRESS	TEMP	PRESS	TEMP
1	13.080	550	5.880
6	13.030	601	5.505
10	13.030	650	5.315
16	13.010	701	5.340
20	12.910	750	5.130
26	12.230		
30	12.050		
36	11.440		
40	11.620		
46	11.505		
50	11.760		
60	11.690		
70	11.200		
81	10.200		
91	9.975		
100	9.645		
125	9.285		
151	8.250		
175	8.700		
200	8.100		
225	7.840		
250	7.640		
276	7.650		
300	7.530		
325	7.320		
350	7.190		
376	6.880		
400	6.535		
426	6.345		
450	6.245		
475	6.100		
501	6.020		

STATION: 480 LAT: 38 5.2 N LON: 124 6.1 W
DATE: 6/22/87 TIME: 0853Z



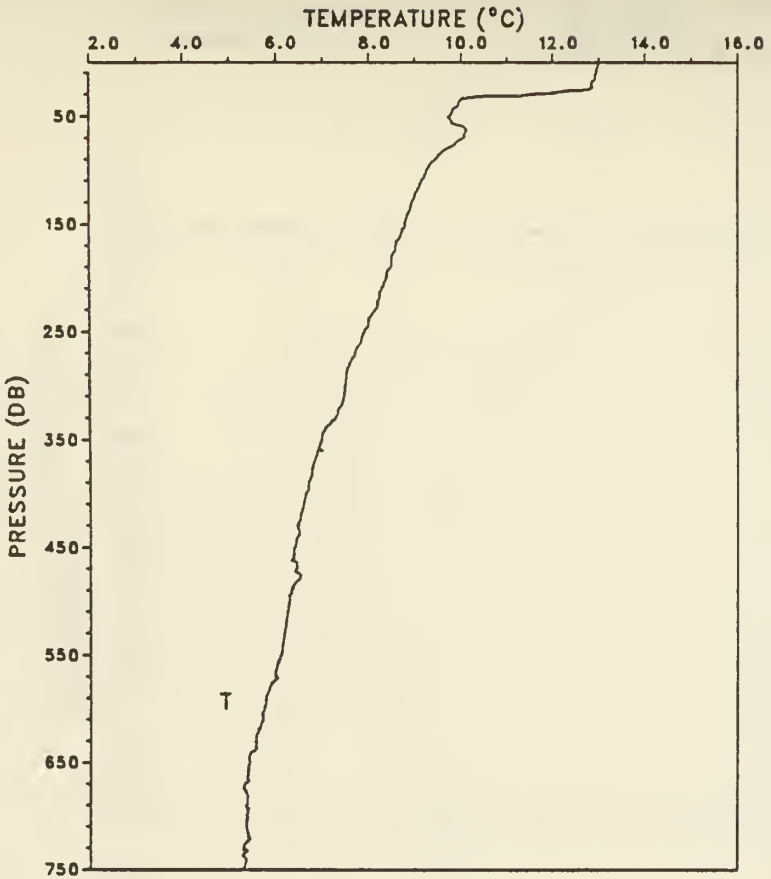
PRESS	TEMP	PRESS	TEMP
1	13.485	550	5.220
6	13.450	601	5.055
10	13.430	650	4.940
16	13.430	701	4.775
20	13.400	750	4.550
26	12.350		
30	11.880		
36	12.135		
40	11.870		
46	11.035		
50	10.585		
60	10.220		
70	9.860		
81	9.430		
91	9.320		
100	8.635		
125	8.585		
151	8.430		
175	7.800		
200	7.660		
225	7.480		
250	7.560		
276	7.375		
300	7.280		
325	7.000		
350	6.840		
376	6.730		
400	6.380		
426	6.040		
450	5.940		
475	5.630		
501	5.475		

STATION: 481 LAT: 38 9.9 N LON: 124 9.1 W
DATE: 6/22/87 TIME: 1000Z



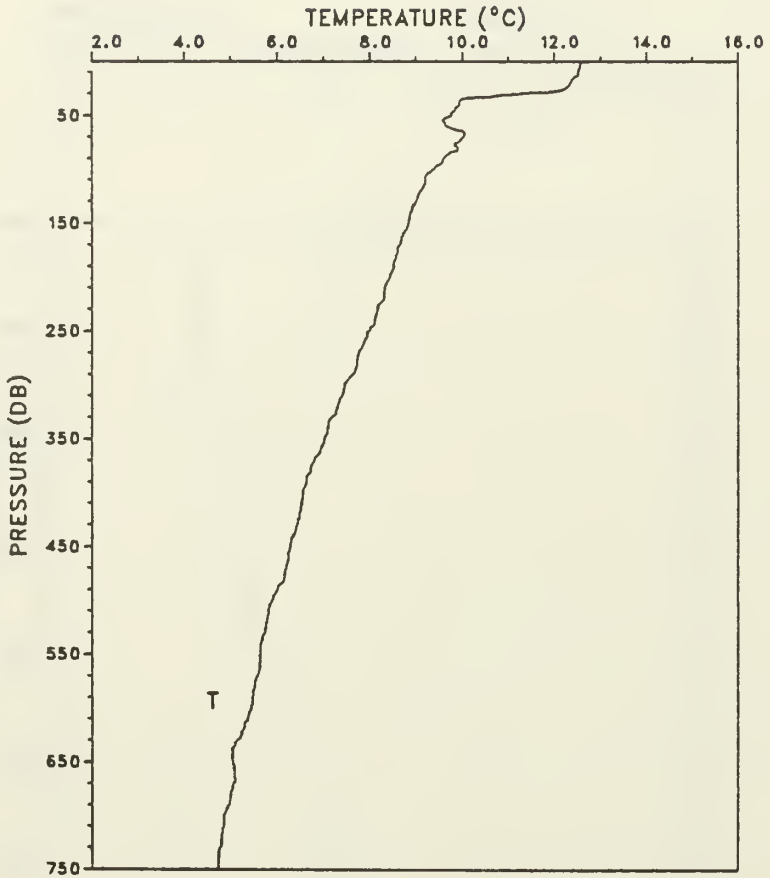
PRESS	TEMP	PRESS	TEMP
1	12.890	550	5.305
6	12.890	601	4.955
10	12.870	650	4.825
16	12.790	701	4.665
20	12.750	750	4.450
26	12.730		
30	12.645		
36	11.505		
40	11.310		
46	10.360		
50	10.080		
60	9.590		
70	9.330		
81	9.085		
91	8.630		
100	8.340		
125	8.460		
151	8.130		
175	8.000		
200	7.710		
225	7.520		
250	7.310		
276	7.100		
300	6.940		
325	6.780		
350	6.450		
376	6.430		
400	6.280		
426	5.935		
450	5.850		
475	5.710		
501	5.540		

STATION: 482 LAT: 38 14.5 N LON: 124 11.4 W
DATE: 6/22/87 TIME: 1053Z



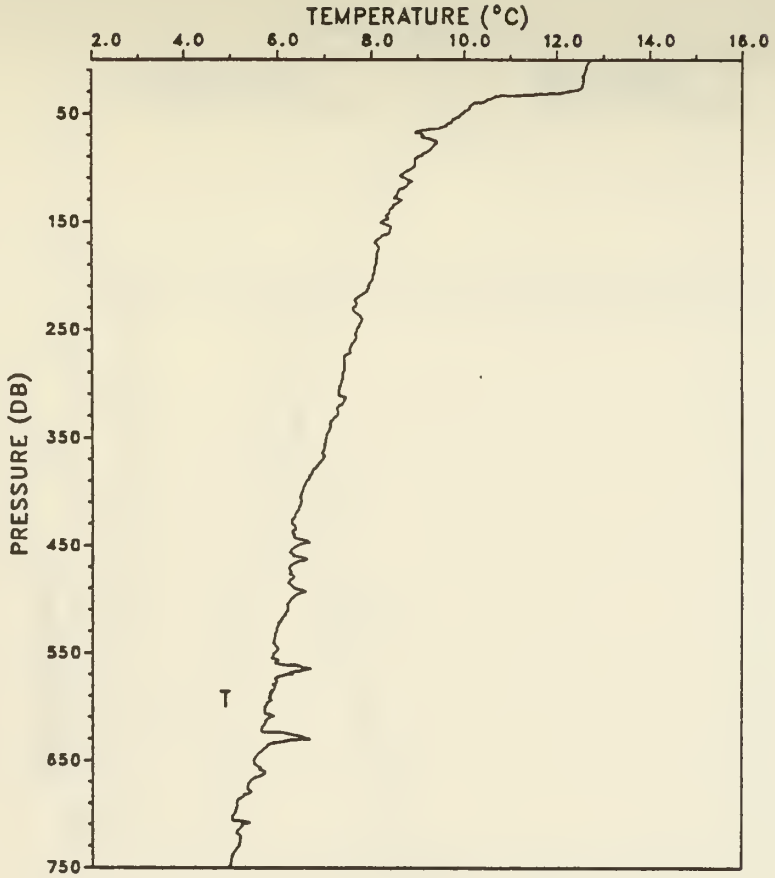
	PRESS	TEMP	PRESS	TEMP
	1	13.000	550	6.105
	6	12.965	601	5.725
	10	12.950	650	5.410
	16	12.915	701	5.395
	20	12.830	750	5.295
	26	12.650		
	30	11.610		
	36	9.990		
	40	9.950		
	46	9.800		
	50	9.740		
	60	10.070		
	70	10.065		
	81	9.665		
	91	9.415		
	100	9.255		
	125	8.985		
	151	8.780		
	175	8.570		
	200	8.375		
	225	8.190		
	250	7.910		
	276	7.635		
•	300	7.489		
	325	7.330		
•	350	6.978		
	376	6.780		
	400	6.640		
	426	6.495		
	450	6.380		
	475	6.510		
•	501	6.270		

STATION: 483 LAT: 38 35.7 N LON: 124 22.1 W
DATE: 6/22/87 TIME: 1553Z



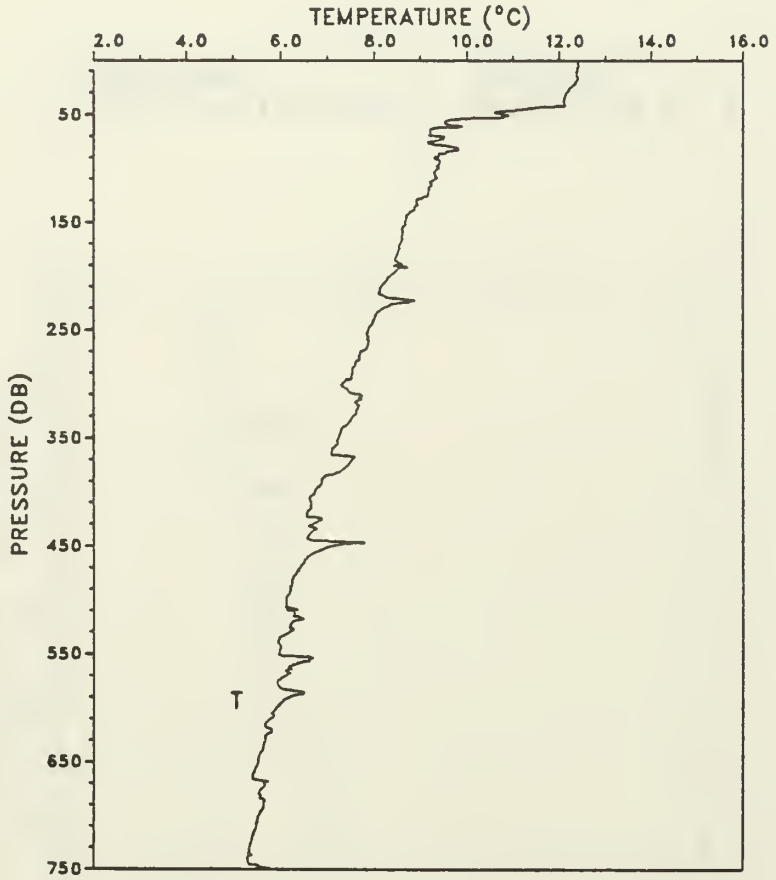
PRESS	TEMP	PRESS	TEMP
1	12.590	550	5.635
6	12.560	601	5.445
10	12.525	650	5.045
16	12.425	701	4.860
20	12.360	750	4.720
26	12.205		
30	11.460		
36	9.980		
40	9.940		
46	9.825		
50	9.760		
60	9.640		
70	10.015		
81	9.900		
91	9.580		
100	9.380		
125	9.030		
151	8.840		
175	8.590		
200	8.435		
225	8.200		
250	7.975		
276	7.725		
300	7.460		
325	7.260		
350	7.020		
376	6.735		
400	6.570		
426	6.450		
450	6.290		
475	6.170		
501	5.880		

STATION: 484 LAT: 38 33.6 N LON: 124 24.0 W
DATE: 6/22/87 TIME: 1911Z



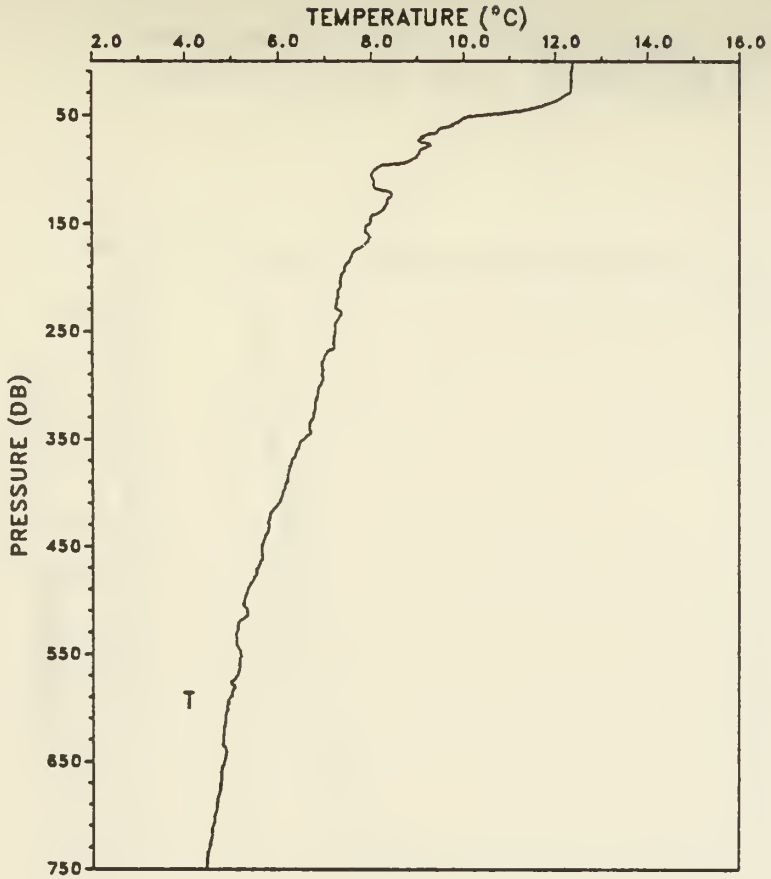
PRESS	TEMP	PRESS	TEMP
1	12.725	550	5.930
6	12.635	601	5.715
10	12.615	650	5.495
16	12.575	701	5.040
20	12.580	750	4.970
26	12.550		
30	12.270		
36	10.650		
40	10.410		
46	10.115		
50	9.980		
60	9.640		
70	9.135		
81	9.335		
91	8.975		
100	8.915		
125	8.550		
151	8.210		
175	8.150		
200	8.040		
225	7.680		
250	7.680		
276	7.420		
300	7.350		
325	7.270		
350	7.030		
376	6.840		
400	6.515		
426	6.300		
450	6.420		
475	6.270		
501	6.260		

STATION: 485 LAT: 38 28.2 N LON: 124 24.7 W
DATE: 6/22/87 TIME: 2006Z



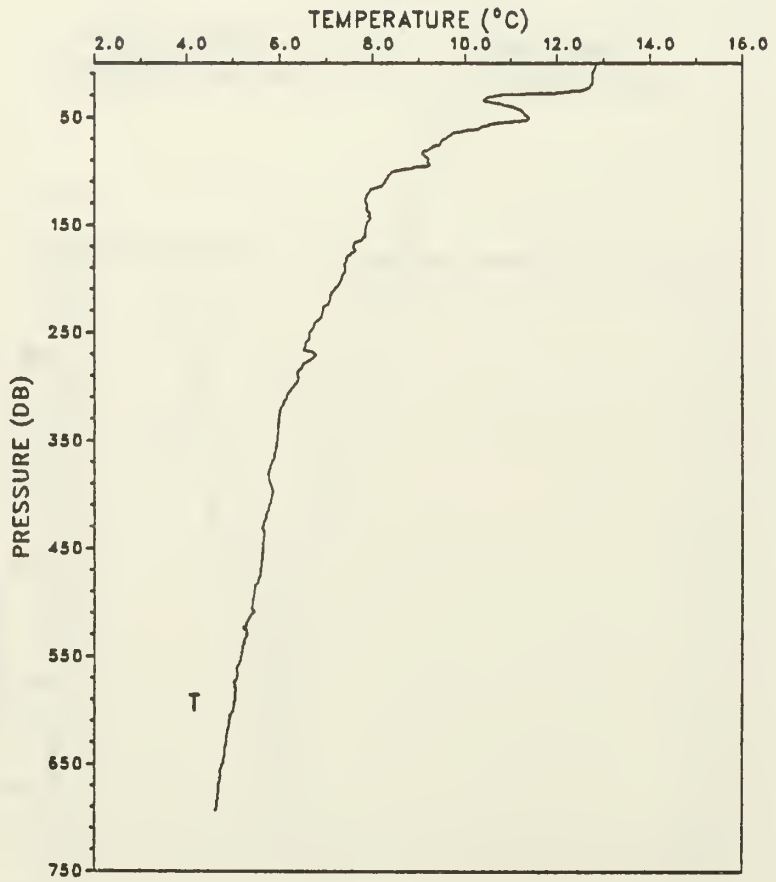
PRESS	TEMP	PRESS	TEMP
1	12.390	550	5.980
6	12.400	601	5.910
10	12.390	650	5.520
16	12.405	701	5.525
20	12.360	750	5.785
26	12.220		
30	12.165		
36	12.115		
40	12.120		
46	11.030		
50	10.800		
60	9.620		
70	9.315		
81	9.800		
91	9.335		
100	9.410		
125	9.145		
151	8.660		
175	8.530		
200	8.340		
225	8.590		
250	7.875		
276	7.685		
300	7.310		
325	7.620		
350	7.230		
376	7.435		
400	6.735		
426	6.885		
450	7.145		
475	6.340		
501	6.135		

STATION: 486 LAT: 38 22.6 N LON: 124 25.9 W
DATE: 6/22/87 TIME: 2100Z



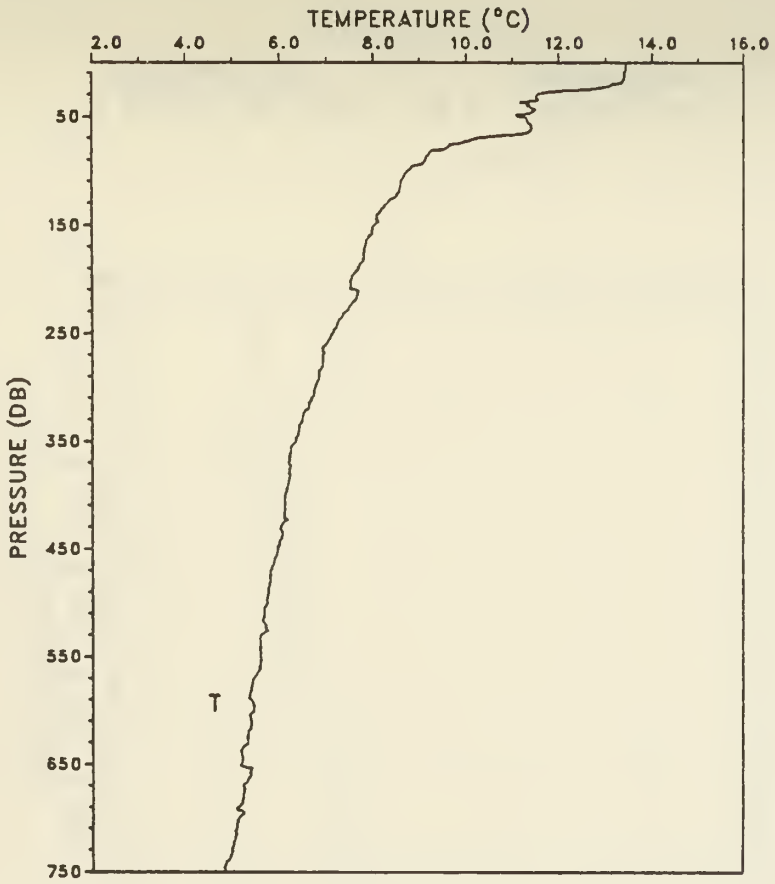
PRESS	TEMP	PRESS	TEMP
1	12.390	550	5.190
6	12.365	601	4.905
10	12.340	650	4.830
16	12.350	701	4.620
20	12.350	750	4.440
26	12.345		
30	12.320		
36	12.085		
40	11.840		
46	11.250		
50	10.455		
60	9.780		
70	9.075		
81	9.145		
91	8.885		
100	8.095		
125	8.450		
151	7.960		
175	7.650		
200	7.350		
225	7.250		
250	7.215		
276	6.980		
300	6.910		
325	6.760		
350	6.560		
376	6.260		
400	6.100		
426	5.800		
450	5.645		
475	5.540		
501	5.265		

STATION: 487 LAT: 38 18.5 N LON: 124 26.9 W
DATE: 6/22/87 TIME: 2148Z



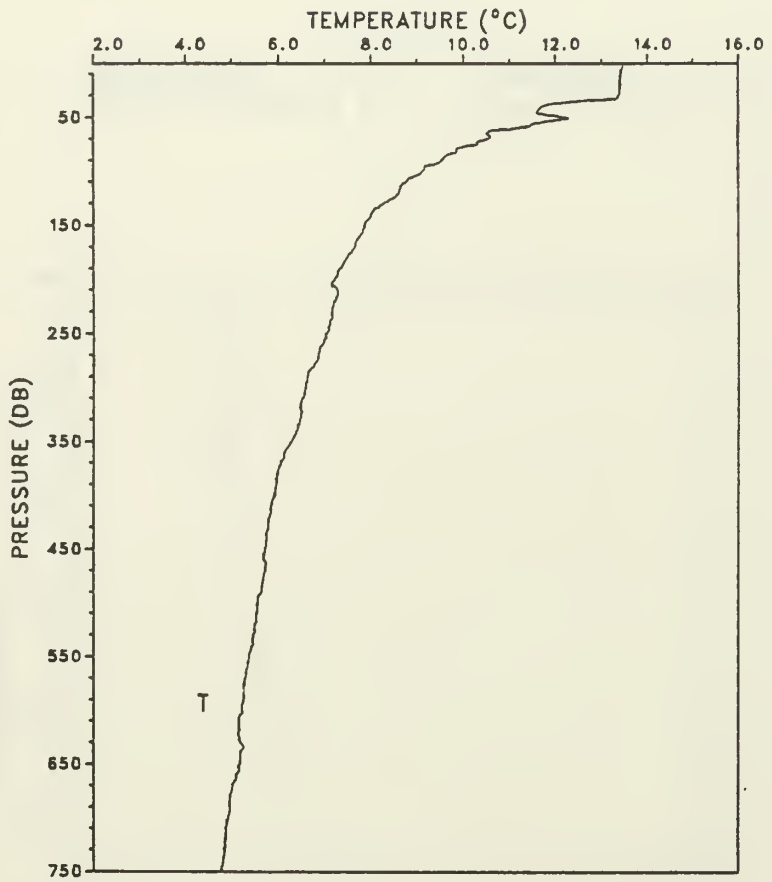
	PRESS	TEMP	PRESS	TEMP
	1	12.840	550	5.175
	6	12.800	601	4.995
	10	12.765	650	4.775
	16	12.760	694	4.625
	20	12.730		
	26	12.505		
	30	10.790		
	36	10.450		
	40	10.970		
	46	11.295		
	50	11.380		
	60	10.350		
	70	9.575		
	81	9.185		
	91	9.185		
	100	8.520		
	125	7.855		
	151	7.860		
	175	7.610		
	200	7.335		
	225	6.990		
	250	6.650		
	276	6.665		
	300	6.310		
	325	6.000		
•	350	5.951		
	376	5.795		
	400	5.860		
	426	5.670		
•	450	5.644		
	475	5.600		
	501	5.430		

STATION: 488 LAT: 38 13.8 N LON: 124 26.8 W
DATE: 6/22/87 TIME: 2241Z



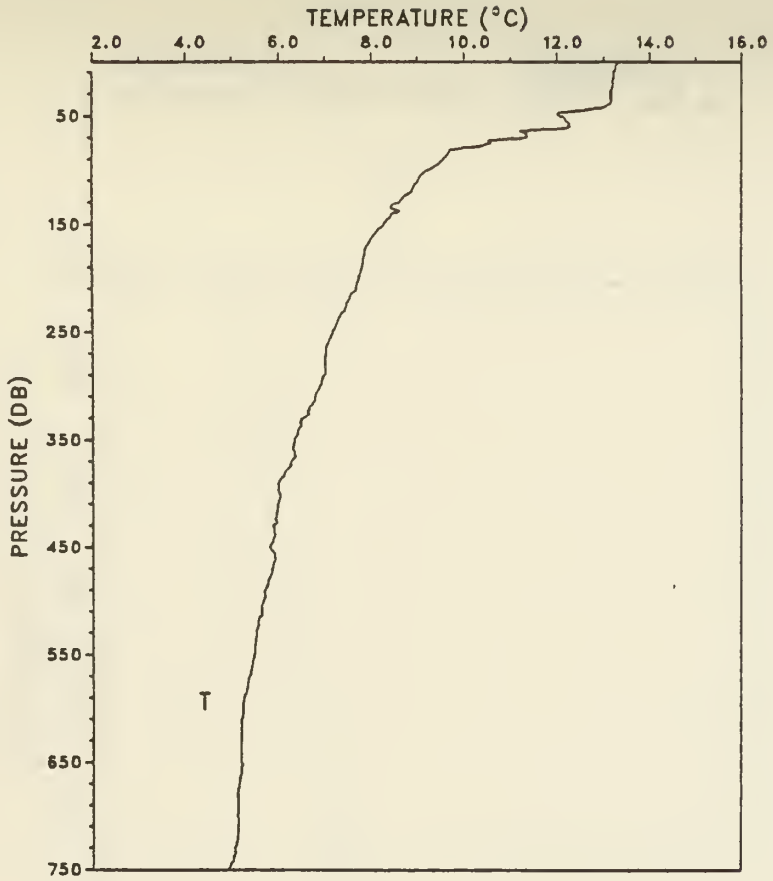
PRESS	TEMP	PRESS	TEMP
1	13.440	550	5.600
6	13.435	601	5.455
10	13.415	650	5.180
16	13.400	701	5.140
20	13.260	750	4.845
26	12.420		
30	11.545		
36	11.520		
40	11.310		
46	11.395		
50	11.130		
60	11.410		
70	10.265		
81	9.505		
91	9.105		
100	8.755		
125	8.465		
151	8.020		
175	7.810		
200	7.545		
225	7.500		
250	7.140		
276	6.935		
300	6.770		
325	6.520		
350	6.370		
376	6.230		
400	6.145		
426	6.095		
450	5.970		
475	5.810		
501	5.740		

STATION: 489 LAT: 38 8.1 N LON: 124 26.0 W
DATE: 6/22/87 TIME: 2341Z



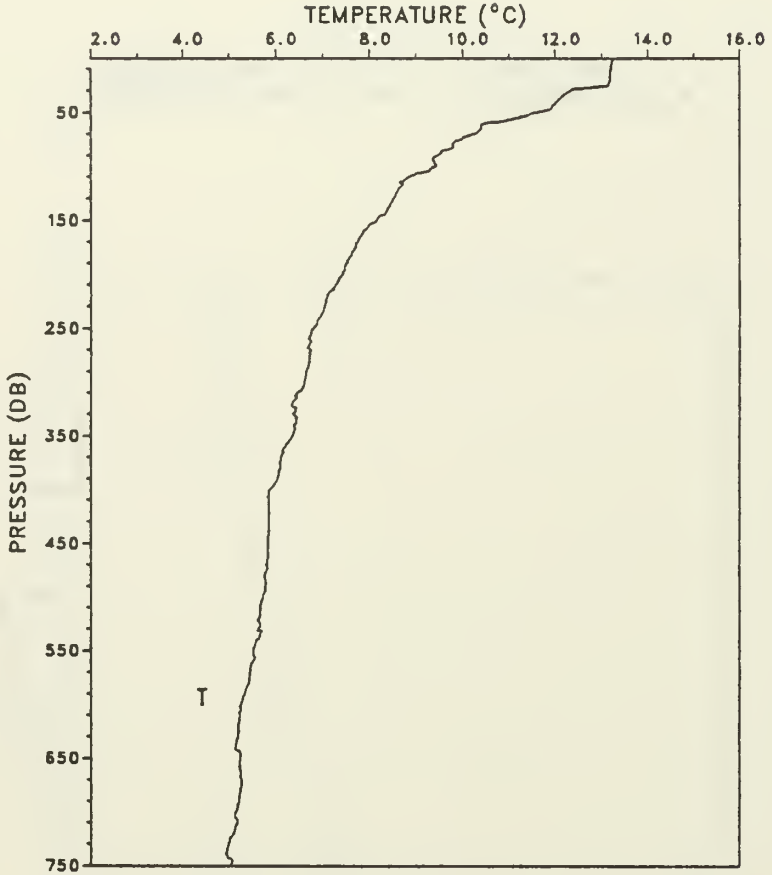
PRESS	TEMP	PRESS	TEMP
1	13.475	550	5.375
6	13.440	601	5.215
10	13.420	650	5.165
16	13.410	701	4.920
20	13.420	750	4.755
26	13.395		
30	13.390		
36	12.495		
40	11.720		
46	11.620		
50	12.160		
60	11.240		
70	10.560		
81	9.845		
91	9.500		
100	9.115		
125	8.495		
151	7.870		
175	7.580		
200	7.215		
225	7.180		
250	7.035		
276	6.825		
300	6.600		
325	6.480		
350	6.280		
376	6.010		
400	5.930		
426	5.790		
450	5.720		
475	5.690		
501	5.545		

STATION: 490 LAT: 38 3.8 N LON: 124 26.1 W
DATE: 6/23/87 TIME: 0030Z



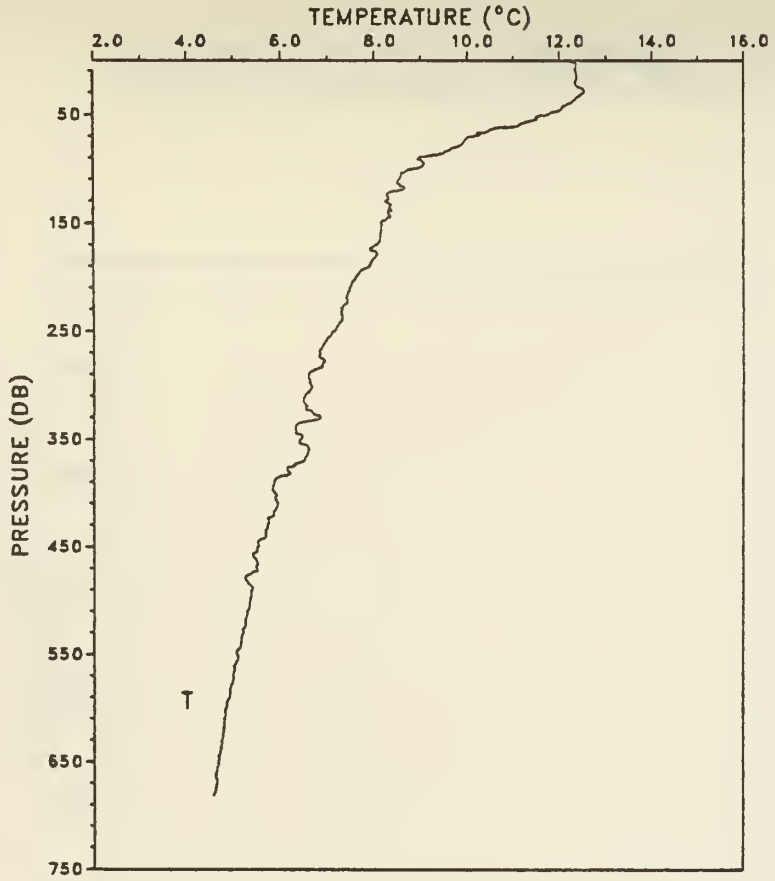
	PRESS	TEMP		PRESS	TEMP
	1	13.350		550	5.475
	6	13.260	•	601	5.240
	10	13.235		650	5.205
	16	13.220		701	5.130
	20	13.220		750	4.950
	26	13.180			
	30	13.170			
	36	13.180			
	40	13.100			
	46	12.215			
	50	12.070			
	60	12.290			
	70	11.325			
	81	9.825			
•	91	9.537			
	100	9.255			
	125	8.700			
	151	8.280			
	175	7.880			
•	200	7.749			
	225	7.490			
•	250	7.187			
•	276	7.024			
	300	6.900			
	325	6.640			
	350	6.350			
	376	6.255			
	400	6.035			
	426	5.975			
	450	5.820			
	475	5.850			
	501	5.665			

STATION: 491 LAT: 37 58.5 N LON: 124 26.3 W
DATE: 6/23/87 TIME: 0136Z



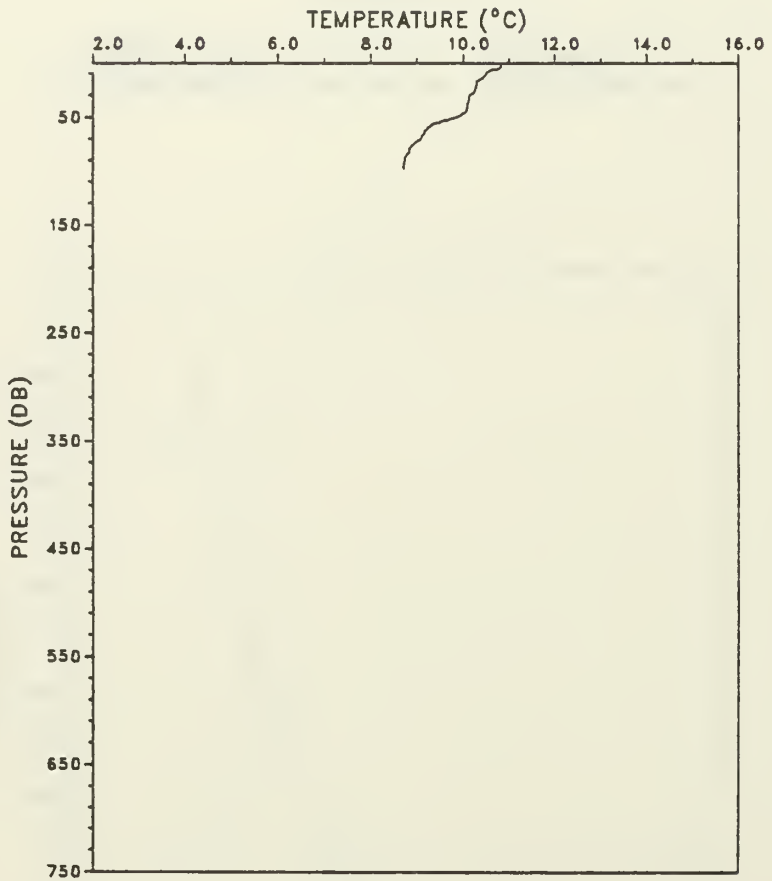
	PRESS	TEMP	PRESS	TEMP
	1	13.225	550	5.530
	6	13.220	601	5.250
	10	13.205	650	5.230
	16	13.190	701	5.140
	20	13.200	750	5.030
	26	13.105		
	30	12.350		
•	36	12.137		
•	40	12.043		
•	46	11.902		
	50	11.635		
	60	10.590		
	70	10.260		
	81	9.800		
	91	9.410		
	100	9.440		
	125	8.565		
	151	8.160		
	175	7.700		
	200	7.425		
	225	7.070		
	250	6.795		
	276	6.710		
	300	6.610		
	325	6.420		
	350	6.350		
	376	6.095		
	400	5.875		
•	426	5.848		
•	450	5.843		
	475	5.800		
	501	5.720		

STATION: 492 LAT: 38 3.9 N LON: 124 28.9 W
DATE: 6/23/87 TIME: 0323Z



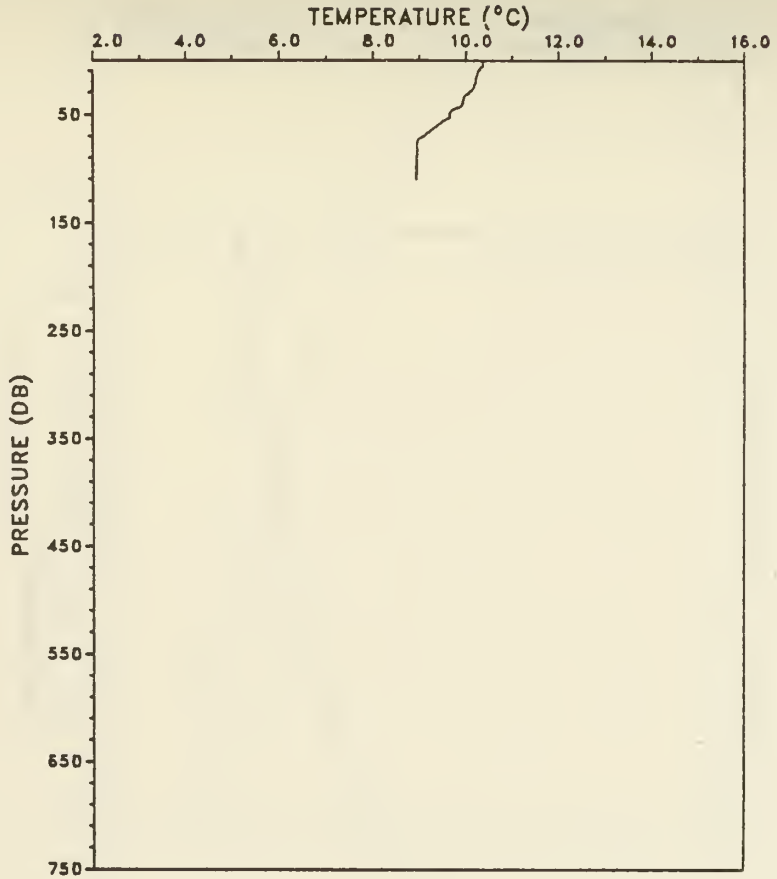
PRESS	TEMP	PRESS	TEMP
1	12.335	550	5.080
6	12.355	601	4.835
10	12.350	650	4.685
16	12.370	682	4.575
20	12.340		
26	12.480		
30	12.525		
36	12.360		
40	12.240		
46	12.020		
50	11.770		
60	11.140		
70	10.230		
81	9.735		
91	8.935		
100	8.940		
125	8.270		
151	8.170		
175	7.930		
200	7.615		
225	7.380		
250	7.160		
276	6.905		
300	6.640		
325	6.670		
350	6.430		
376	6.255		
400	5.870		
426	5.755		
450	5.525		
475	5.370		
501	5.360		

STATION: 493 LAT: 38 26.8 N LON: 124 46.6 W
DATE: 6/23/87 TIME: 1448Z



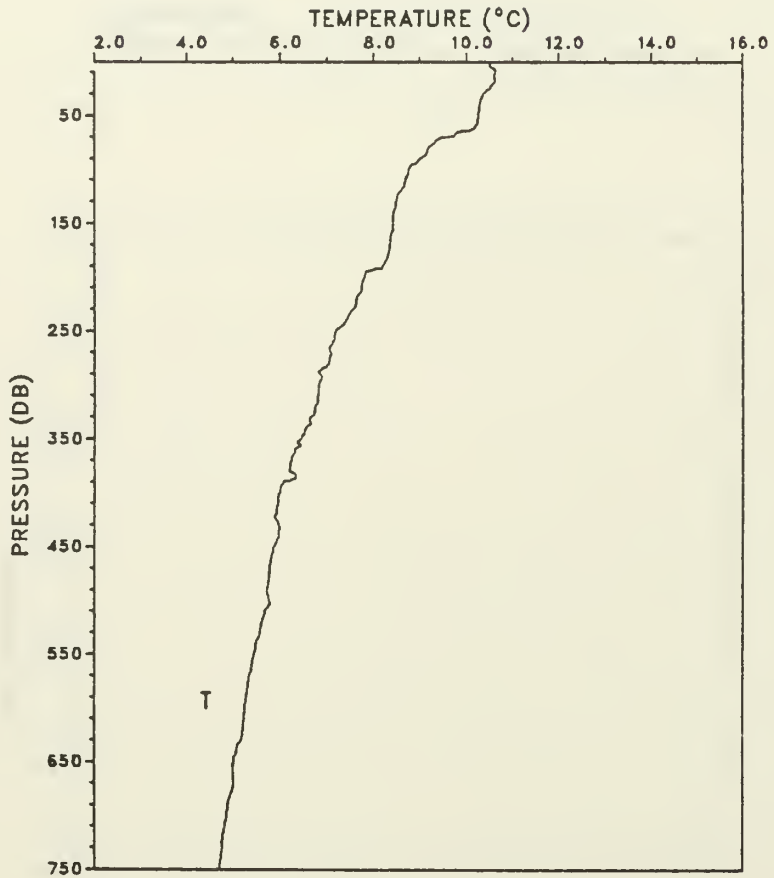
PRESS	TEMP
1	10.840
6	10.735
10	10.500
16	10.360
20	10.290
26	10.260
30	10.135
36	10.105
40	10.090
46	10.015
50	9.860
60	9.240
70	9.085
81	8.830
91	8.720
98	8.720

STATION: 494 LAT: 37 57.1 N LON: 123 9.7 W
DATE: 6/25/87 TIME: 0836Z



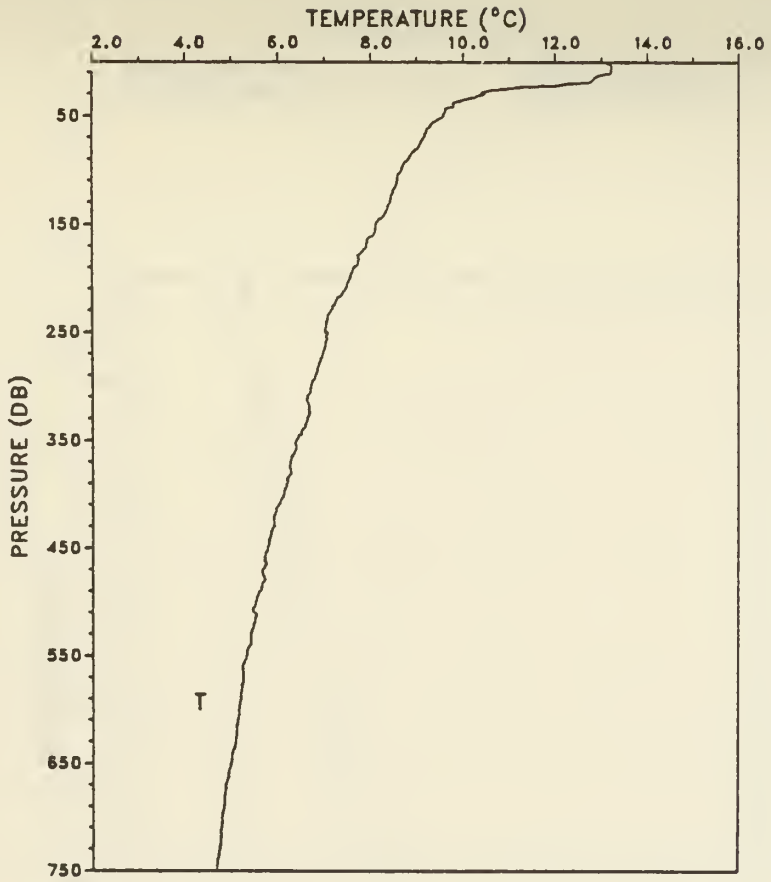
PRESS	TEMP
1	10.415
6	10.375
10	10.270
16	10.235
20	10.210
26	10.165
30	10.075
36	9.955
40	9.930
46	9.675
50	9.660
60	9.390
70	9.105
81	8.955
91	8.945
100	8.940
110	8.930

STATION: 495 LAT: 37 56.1 N LON: 123 20.8 W
DATE: 6/25/87 TIME: 0930Z



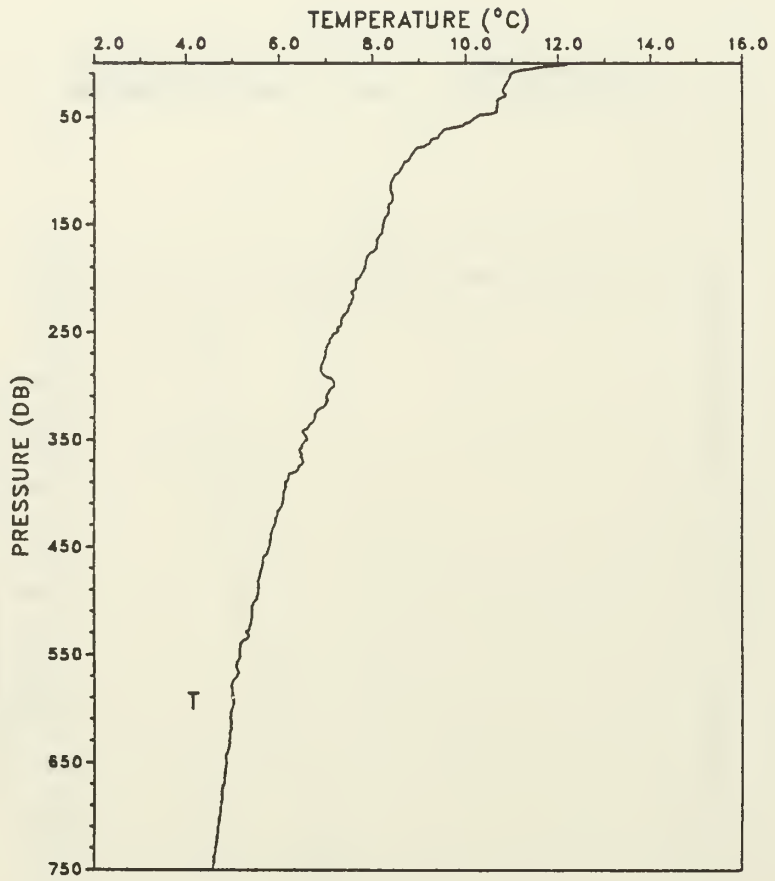
PRESS	TEMP	PRESS	TEMP
1	10.520	550	5.460
6	10.575	601	5.250
10	10.620	650	5.005
16	10.625	701	4.850
20	10.580	750	4.700
26	10.475		
30	10.365		
36	10.315		
40	10.280		
46	10.270		
50	10.260		
60	10.200		
70	9.625		
81	9.165		
91	8.975		
100	8.760		
125	8.515		
151	8.420		
175	8.340		
200	7.795		
225	7.620		
250	7.190		
276	7.060		
300	6.820		
325	6.740		
350	6.450		
376	6.210		
400	5.990		
426	5.930		
450	5.870		
475	5.780		
501	5.775		

STATION: 496 LAT: 37 55.7 N LON: 123 30.6 W
DATE: 6/25/87 TIME: 1018Z



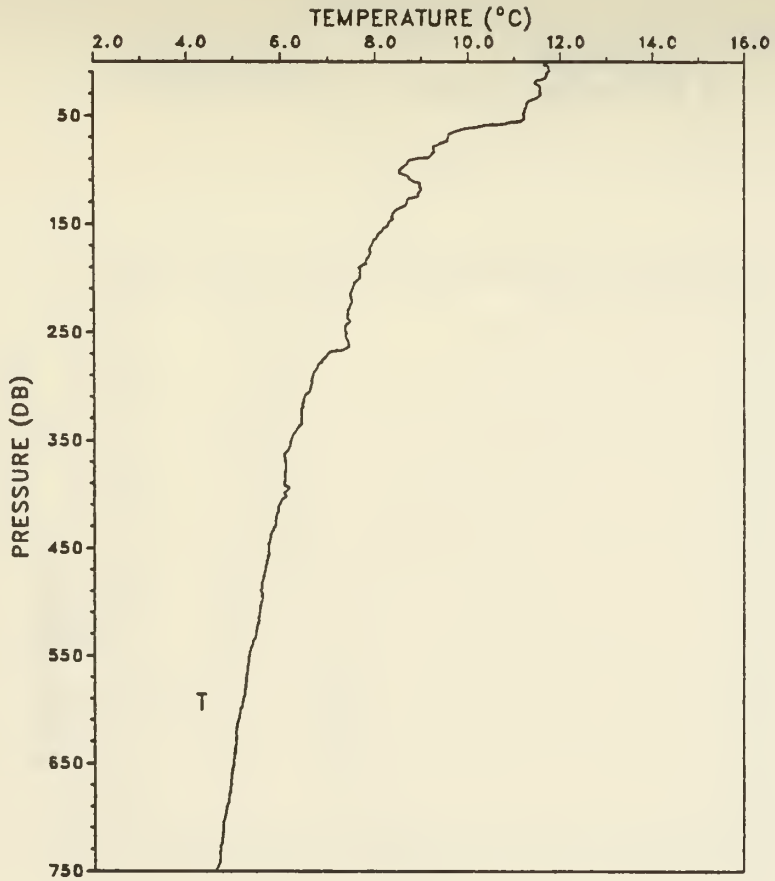
PRESS	TEMP	PRESS	TEMP
1	13.195	550	5.320
6	13.215	601	5.155
10	13.210	650	4.990
16	12.835	701	4.795
20	12.520	750	4.695
26	10.800		
30	10.480		
36	10.020		
40	9.800		
46	9.605		
50	9.585		
60	9.300		
70	9.160		
81	9.005		
91	8.805		
100	8.675		
125	8.450		
151	8.110		
175	7.830		
200	7.565		
225	7.210		
250	7.035		
276	6.930		
300	6.730		
325	6.680		
350	6.400		
376	6.280		
400	6.145		
426	5.920		
450	5.790		
475	5.690		
501	5.530		

STATION: 497 LAT: 37 55.2 N LON: 123 40.6 W
DATE: 6/25/87 TIME: 1106Z



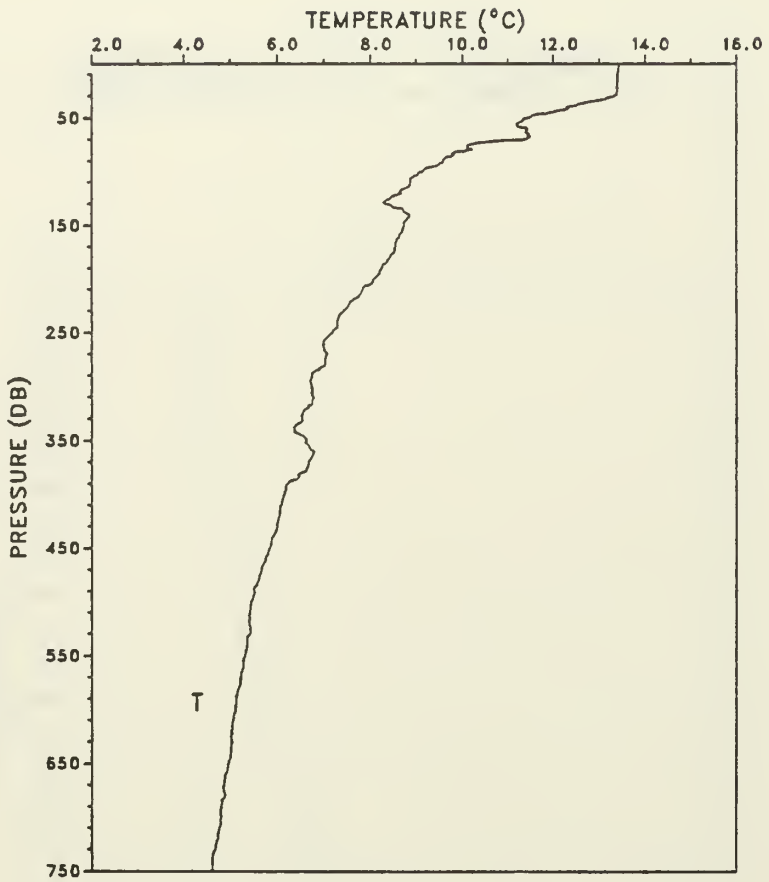
PRESS	TEMP	PRESS	TEMP
1	12.205	550	5.150
6	11.370	601	4.980
10	10.990	650	4.865
16	10.925	701	4.725
20	10.870	750	4.575
26	10.800		
30	10.855		
36	10.685		
40	10.690		
46	10.630		
50	10.250		
60	9.780		
70	9.400		
81	8.910		
91	8.750		
100	8.580		
125	8.425		
151	8.220		
175	8.020		
200	7.700		
225	7.490		
250	7.225		
276	6.950		
300	7.150		
325	6.790		
350	6.620		
376	6.425		
400	6.110		
426	5.935		
450	5.805		
475	5.600		
501	5.470		

STATION: 498 LAT: 37 54.7 N LON: 123 50.9 W
DATE: 6/25/87 TIME: 1153Z



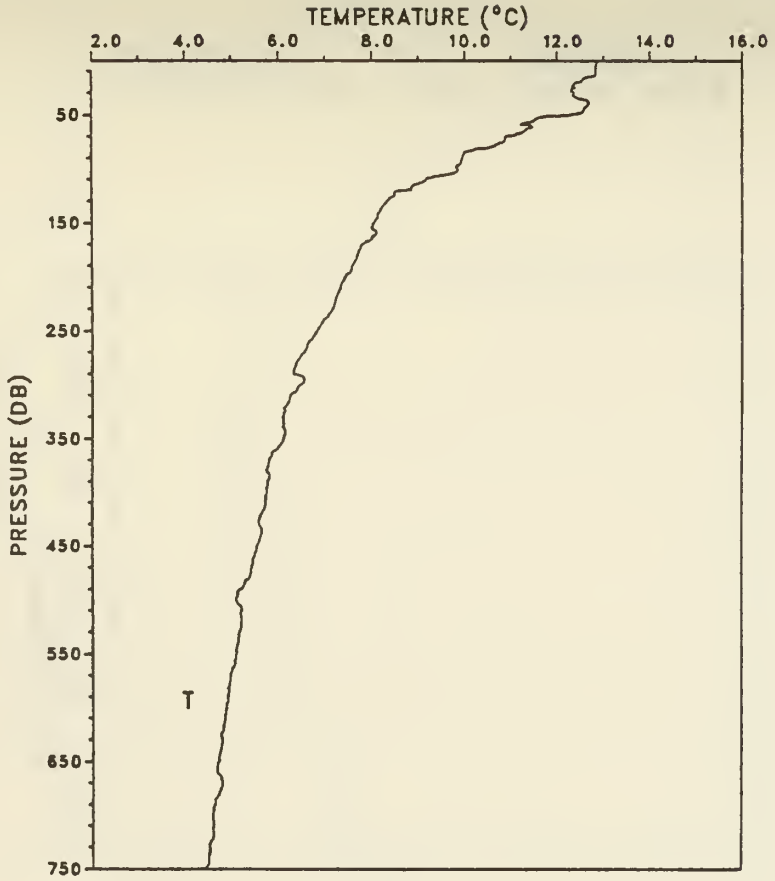
PRESS	TEMP	PRESS	TEMP
1	11.795	550	5.320
6	11.745	601	5.140
10	11.745	650	4.995
16	11.685	701	4.800
20	11.440	750	4.620
26	11.565		
30	11.590		
36	11.400		
40	11.270		
46	11.235		
50	11.225		
60	10.310		
70	9.570		
81	9.270		
91	8.750		
100	8.550		
125	8.910		
151	8.270		
175	7.900		
200	7.680		
225	7.480		
250	7.390		
276	6.875		
300	6.640		
325	6.450		
350	6.220		
376	6.115		
400	6.085		
426	5.890		
450	5.755		
475	5.640		
501	5.585		

STATION: 499 LAT: 37 54.0 N LON: 124 1.0 W
DATE: 6/25/87 TIME: 1241Z



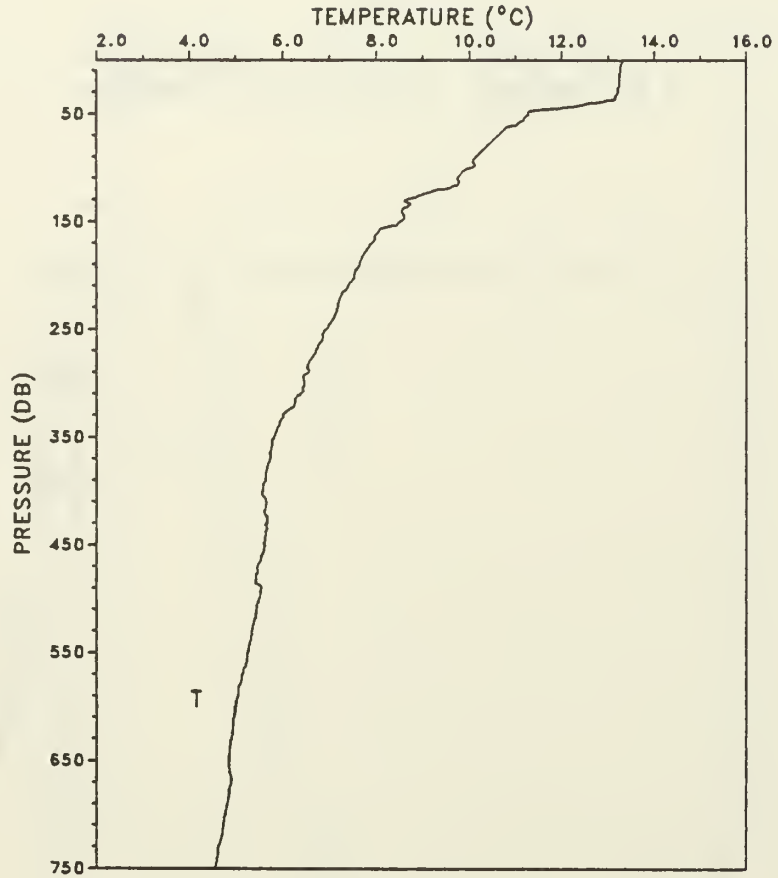
PRESS	TEMP	PRESS	TEMP
1	13.440	550	5.325
6	13.420	601	5.120
10	13.410	650	4.955
16	13.410	701	4.800
20	13.410	750	4.615
26	13.400		
30	13.355		
36	12.825		
40	12.380		
46	11.835		
50	11.495		
60	11.430		
70	11.415		
81	10.070		
91	9.575		
100	9.140		
125	8.430		
151	8.730		
175	8.520		
200	8.090		
225	7.530		
250	7.190		
276	7.030		
300	6.750		
325	6.560		
350	6.640		
376	6.650		
400	6.160		
426	6.030		
450	5.845		
475	5.640		
501	5.455		

STATION: 500 LAT: 37 53.4 N LON: 124 9.6 W
DATE: 6/25/87 TIME: 1323Z



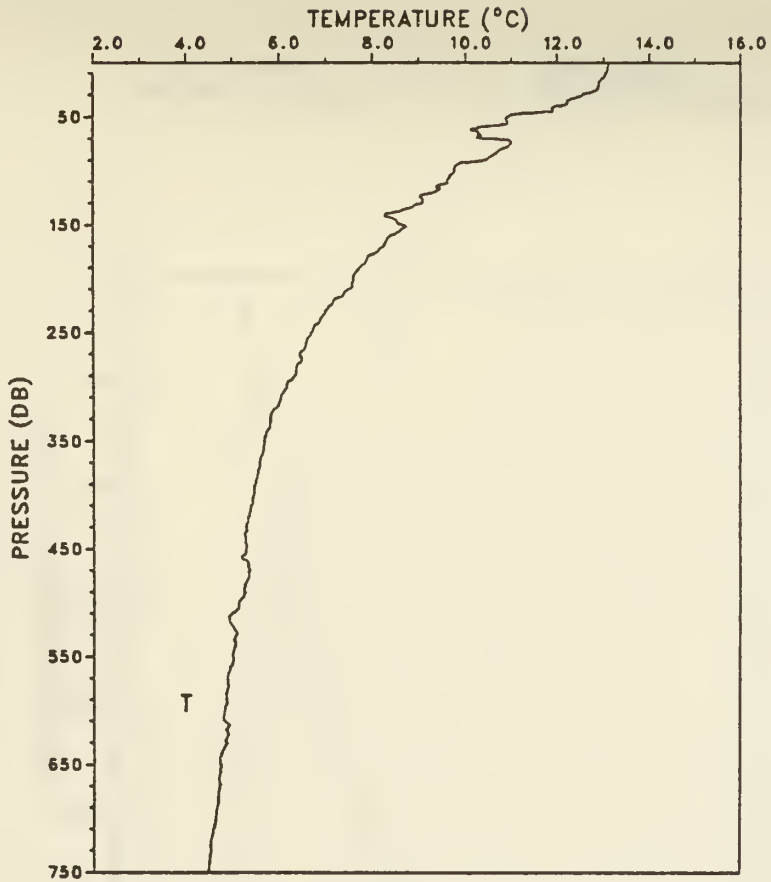
PRESS	TEMP	PRESS	TEMP
1	12.860	550	5.105
6	12.840	601	4.885
10	12.830	650	4.715
16	12.640	701	4.595
20	12.480	750	4.480
26	12.325		
30	12.375		
36	12.510		
40	12.690		
46	12.560		
50	12.310		
60	11.430		
70	10.935		
81	10.485		
91	9.952		
100	9.870		
125	8.470		
151	8.040		
175	7.740		
200	7.445		
225	7.210		
250	6.830		
276	6.455		
300	6.490		
325	6.150		
350	6.110		
376	5.785		
400	5.760		
426	5.590		
450	5.545		
475	5.430		
501	5.120		

STATION: 501 LAT: 37 52.5 N LON: 124 19.6 W
DATE: 6/25/87 TIME: 1418Z



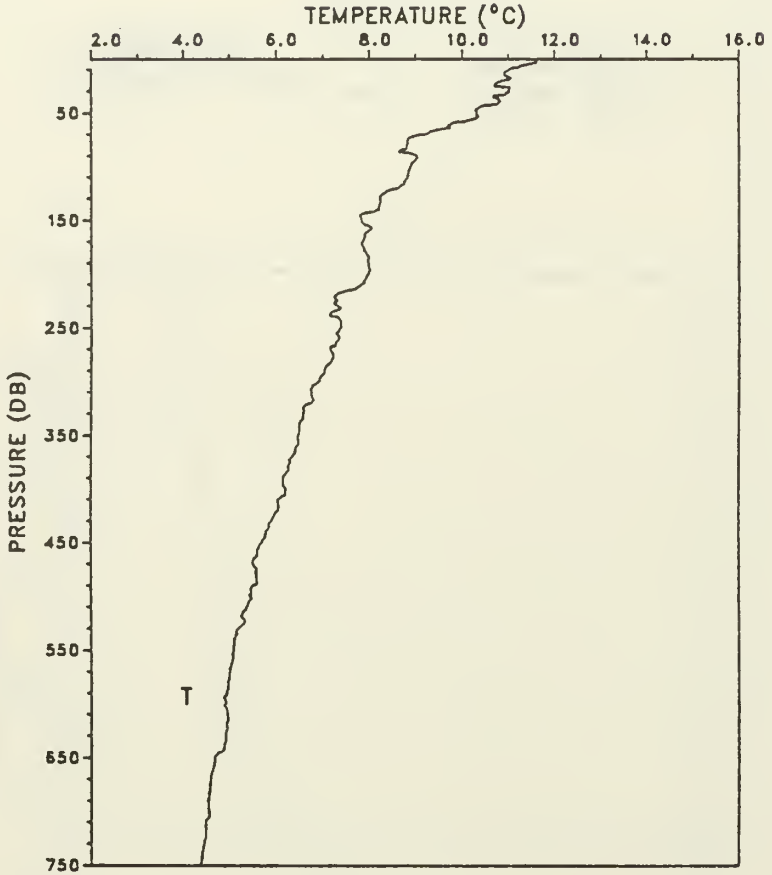
	PRESS	TEMP	PRESS	TEMP
	1	13.305	550	5.260
	6	13.280	601	4.985
	10	13.260	650	4.855
	16	13.255	701	4.775
	20	13.250	750	4.570
	26	13.215		
	30	13.215		
	36	13.155		
	40	12.750		
	46	11.545		
	50	11.280		
	60	11.050		
*	70	10.628		
*	81	10.364		
*	91	10.124		
	100	10.065		
	125	8.995		
	151	8.500		
	175	7.810		
	200	7.530		
	225	7.200		
	250	6.930		
	276	6.645		
	300	6.470		
	325	6.130		
	350	5.820		
	376	5.695		
	400	5.580		
	426	5.665		
	450	5.625		
	475	5.480		
	501	5.500		

STATION: 502 LAT: 37 52.3 N LON: 124 29.6 W
DATE: 6/25/87 TIME: 1511Z



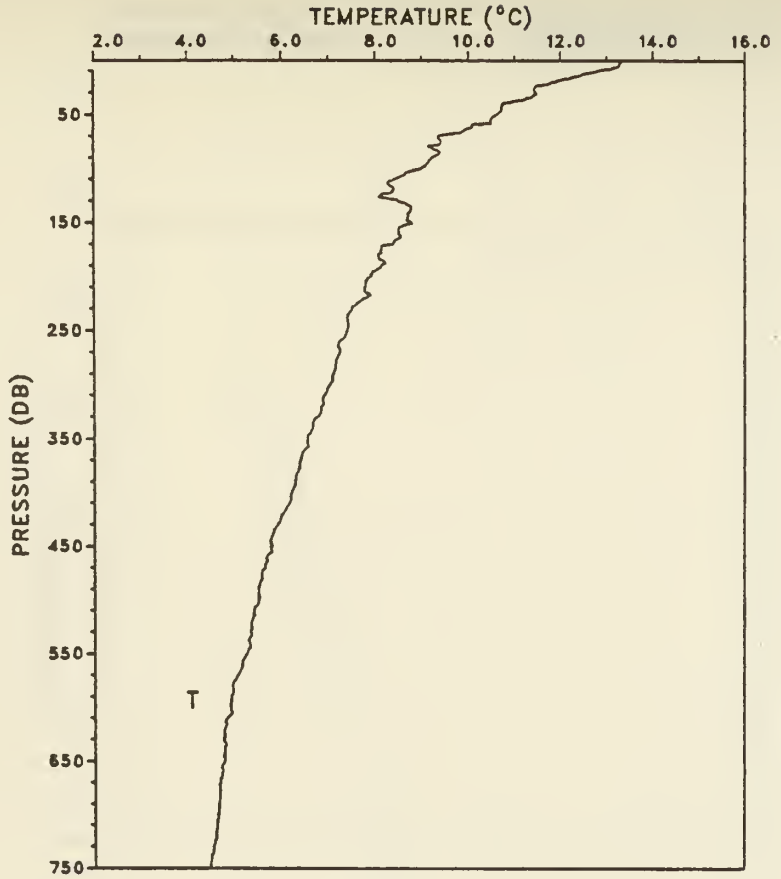
PRESS	TEMP	PRESS	TEMP
1	13.125	550	5.005
6	13.100	601	4.830
10	13.065	650	4.755
16	12.965	701	4.635
20	12.910	750	4.490
26	12.840		
30	12.555		
36	12.215		
40	12.120		
46	11.495		
50	10.925		
60	10.320		
70	10.370		
81	10.745		
91	10.300		
100	9.785		
125	9.055		
151	8.710		
175	8.110		
200	7.595		
225	7.120		
250	6.710		
276	6.505		
300	6.190		
325	5.850		
350	5.710		
376	5.585		
400	5.465		
426	5.315		
450	5.310		
475	5.350		
501	5.140		

STATION: 503 LAT: 37 50.3 N LON: 124 38.1 W
DATE: 6/25/87 TIME: 1606Z



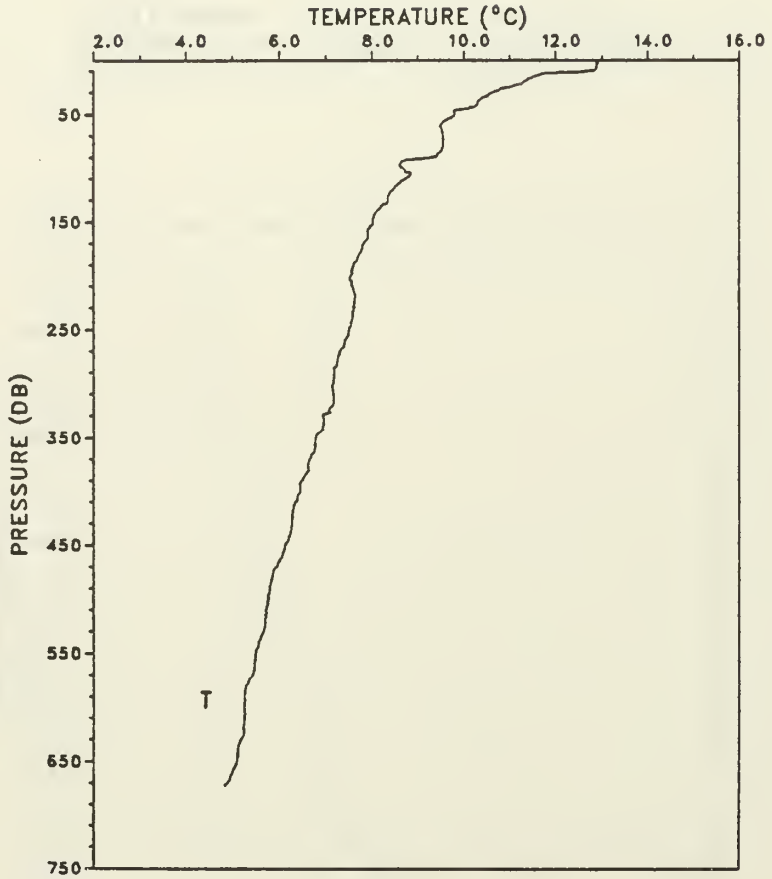
PRESS	TEMP	PRESS	TEMP
1	11.655	550	5.090
6	11.365	601	4.900
10	11.030	650	4.685
16	10.950	701	4.550
20	10.930	750	4.385
26	10.845		
30	11.010		
36	10.700		
40	10.800		
46	10.330		
50	10.310		
60	9.790		
70	9.210		
81	8.805		
91	9.035		
100	8.885		
125	8.330		
151	7.840		
175	7.870		
200	7.975		
225	7.320		
250	7.380		
276	7.220		
300	6.910		
325	6.590		
350	6.470		
376	6.300		
400	6.225		
426	5.950		
450	5.695		
475	5.590		
501	5.480		

STATION: 906 LAT: 38 23.1 N LON: 124 15.4 W
DATE: 6/26/87 TIME: 1823Z



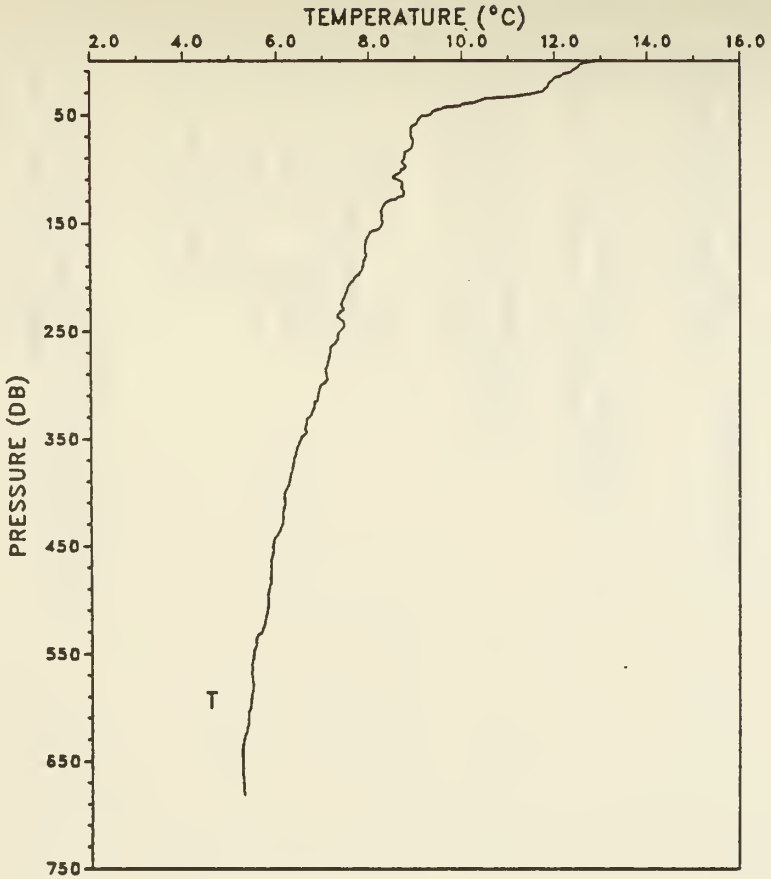
PRESS	TEMP	PRESS	TEMP
1	13.330	550	5.265
6	13.265	601	4.930
10	12.830	650	4.805
16	12.280	701	4.650
20	11.900	750	4.475
26	11.425		
30	11.465		
36	11.255		
40	10.770		
46	10.725		
50	10.625		
60	10.100		
70	9.370		
81	9.240		
91	9.200		
100	8.990		
125	8.095		
151	8.800		
175	8.130		
200	7.915		
225	7.610		
250	7.410		
276	7.200		
300	7.050		
325	6.850		
350	6.570		
376	6.390		
400	6.225		
426	5.995		
450	5.800		
475	5.590		
501	5.520		

STATION: 907 LAT: 38 22.9 N LON: 124 14.8 W
DATE: 6/26/87 TIME: 1830Z



PRESS	TEMP	PRESS	TEMP
1	12.930	550	5.500
6	12.880	601	5.255
10	12.835	650	5.100
16	11.510	673	4.845
20	11.310		
26	10.905		
30	10.660		
36	10.385		
40	10.290		
46	9.815		
50	9.805		
60	9.490		
70	9.545		
81	9.545		
91	9.150		
100	8.675		
125	8.365		
151	8.020		
175	7.790		
200	7.540		
225	7.630		
250	7.515		
276	7.275		
300	7.160		
325	7.070		
350	6.780		
376	6.625		
400	6.450		
426	6.280		
450	6.125		
475	5.870		
501	5.760		

STATION: 908 LAT: 39 3.1 N LON: 124 3.3 W
DATE: 6/27/87 TIME: 2306Z



PRESS	TEMP	PRESS	TEMP
1	12.905	550	5.500
6	12.525	601	5.410
10	12.370	650	5.250
16	12.030	682	5.280
20	11.900		
26	11.795		
30	11.640		
36	10.505		
40	10.140		
46	9.425		
50	9.340		
60	8.970		
70	8.905		
81	8.920		
91	8.750		
100	8.765		
125	8.730		
151	8.290		
175	7.910		
200	7.690		
225	7.400		
250	7.370		
276	7.135		
300	6.950		
325	6.760		
350	6.520		
376	6.345		
400	6.170		
426	6.135		
450	5.910		
475	5.870		
501	5.800		

STATION: 909 LAT: 38 57.0 N LON: 124 2.9 W
DATE: 6/27/87 TIME: 2353Z

REFERENCES

Lewis, E. L. and R. G. Perkin, 1981. The Practical Salinity Scale 1978: conversion of existing data. **Deep Sea Res., 28A**, 307-328.

UNESCO, 1987. International Oceanographic Tables, Vol. 4, National Institute of Oceanography of Great Britain; and UNESCO, Paris.

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